



BR IFIC and ITU Website information

Presented by: Álvaro de Vega
(BR/SSD/SNP)

International Telecommunication Union

WORLD
RADIOCOMMUNICATION
SEMINAR 2014

GENEVA, 8-12 DECEMBER 2014

www.itu.int/go/ITU-R/WRS-14

Organised by:

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The poster features a photograph of the Jet d'Eau fountain in Geneva, Switzerland, set against a blue sky and a lake. The bottom half of the poster is red and contains the ITU logo, the event title, dates, website, and commemorative logos for ITU's 150th anniversary (1865-2015) and the WRS-14 event.

Outline

I. BR IFIC (Space Services)

List of networks published in the current BR IFIC Special Sections, Part I-S, Part II-S and Part III-S
Databases for Space Plans
Other related data

II. Space Plan information on the ITU Website

AP30/30A

AP30B

SNL On line

SNS On line

Space Services - E-learning center

Outline

I. BR IFIC (Space Services)

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II. Space Plan information on the ITU Website

- ✓ AP30/30A
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- ✓ SNL On line
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BR IFIC (Space Services) - Main Screen

BRIFIC SPACE
10.07.2012

BR IFIC Publications

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

Special Sections

-- ALL --

- AP30-30A/E
- AP30/E
- AP30A/E
- AP30B/A6A
- AP30B/A6B
- API/A

Parts I-S, II-S, III-S

-- ALL --

- PART I-S
- PART II-S
- PART III-S

Administrations

AUS

- CAN
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- D
- E
- F

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SPECIAL SECTION / PART	PLAN PART	RESPONSIBLE ADMINISTRATION		NAME OF THE SPACE STATION	ORB. POS.	NAME OF THE ASSOCIATED EARTH STATION	IDENTIFICATION NUMBER
		ADM.	INTERG. ORG.				
AP30/E/594	A	PNG		AFRISAT BSS-3W	-3		112552003
AP30/E/595	A	G		UKPAC BSS-1	172		112552004
AP30/E/596	A	PNG		PACIFISAT BSSA-59E	59		112552005
AP30/E/597	A	PNG		PACIFISAT BSSA-61E	61		112552006
AP30-30A/E/598	A	G		USAT-67W	-67		112555005
AP30A/E/593	A	IRN		IRANDBS3	12.5		112554002
AP30A/E/594	A	PNG		AFRISAT BSS-3W	-3		112554003
AP30B/A6A/220		S		SIRIUS-30B-5E-5	5		112559007
AP30B/A6B/53 SUP		F	EUT	EUTELSAT EXB-70.5E_C	70.5		100559013
AP30B/A6B/54		E		HISPASAT-1E	-30		107559010
API/A/7525		USA		USASAT-30E	NGSO		112540285
API/A/7527		IND		MMI	NGSO		112540303
API/A/7528		IND		RISAT	NGSO		112540304

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List of networks published in the current BR IFIC

BRIFIC SPACE

BR IFIC 2723 International Frequency Information Circular (Space Services) 10.07.2012

BR IFIC Publications

- Databases
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- Preface
- Cost Recovery
- BR Software
- BR Circular Letters

Special Sections

-- ALL --

AP30-30A/E

AP30/E

AP30A/E

AP30B/A6A

AP30B/A6B

API/A

Parts I-S, II-S, III-S

-- ALL --

PART I-S

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Click on the relevant section to open the list of networks published under that section.

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		ADM.	INTERG. ORG.				
AP30/E/594	A	PNG		AFRISAT BSS-3W	-3		112552003
AP30/E/595	A	G		UKPAC BSS-1	172		112552004
AP30/E/596	A	PNG		PACIFISAT BSSA-59E	59		112552005
AP30/E/597	A	PNG		PACIFISAT BSSA-61E	61		112552006
AP30-30A/E/598	A	G		USAT-67W	-67		112555005
AP30A/E/593	A	IRN		IRANDBS3	12.5		112554002
AP30A/E/594	A	PNG		AFRISAT BSS-3W	-3		112554003
AP30B/A6A/220		S		SIRIUS-30B-5E-5	5		112559007
AP30B/A6B/53 SUP		F	EUT	EUTELSAT EXB-70.5E_C	70.5		100559013
AP30B/A6B/54		E		HISPASAT-1E	-30		107559010
API/A/7525		USA		USASAT-30E	NGSO		112540285
API/A/7527		IND		MMI	NGSO		112540303
API/A/7528		IND		RISAT	NGSO		112540304

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Special Sections, Part I-S, Part II-S and Part III-S



UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES
OFICINA DE RADIOCOMUNICACIONES

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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATELITE		USAT-67W		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	AP30-30A/E/598
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	G	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	67 W	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2723 / 10.07.2012
NOTIFIÉ AU NOM DE NOTIFIED ON BEHALF OF NOTIFICADA EN NOMBRE DE				NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	
				112555005	
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					06.03.2012

Caractéristiques des assignations de fréquence publiées en application de l'Article 4 des Appendices 30 et 30A du Règlement des radiocommunications

La présente Section spéciale concerne des modifications apportées au Plan pour la Région 2 dans les bandes de fréquences 12.2-12.7 GHz pour les liaisons descendantes et 17.3-17.8 GHz pour les liaisons de connexion.

Characteristics of frequency assignments published in application of Article 4 of Appendices 30 and 30A to the Radio Regulations

This Special Section concerns modifications to the Region 2 Plan in the frequency bands 12.2-12.7 GHz for the downlink and 17.3-17.8 GHz for the feeder-link.

Características de asignaciones de frecuencias publicadas conforme al Artículo 4 de los Apéndices 30 y 30A del Reglamento de Radiocomunicaciones

Esta Sección Especial trata de las modificaciones al Plan de la Región 2 en las bandas de frecuencias 12.2-12.7 GHz por los enlaces descendentes y 17.3-17.8 GHz por los enlaces de conexión.

Elle comprend les Parties indiquées ci-dessous par une croix (X) dans la case appropriée.	It is composed of the Parts indicated below by an (X) in the relevant box	Se compone de las Partes indicadas a continuación con una (X) en la casilla pertinente.
<input checked="" type="checkbox"/> Partie A - Projets de modification au Plan pour la Région 2.	<input checked="" type="checkbox"/> Part A - Proposed modifications to the Region 2 Plan.	<input checked="" type="checkbox"/> Parte A - Modificaciones propuestas al Plan de la Región 2.
<input type="checkbox"/> Partie B - Modifications apportées au Plan pour la Région 2 en conséquence de l'application avec succès des dispositions de l'Article 4 des Appendices 30 et 30A.	<input type="checkbox"/> Part B - Modifications entered in the Region 2 Plan as a result of the successful application of the provisions of Article 4 of Appendices 30 and 30A.	<input type="checkbox"/> Parte B - Modificaciones introducidas en el Plan de la Región 2 como resultado de la aplicación satisfactoria de las disposiciones del Artículo 4 de los Apéndices 30 y 30A.
<input type="checkbox"/> Partie C - Annulation d'une Section spéciale Partie A publiée et/ou des assignations de fréquence du Plan pour la Région 2 conformément au § 4.2.6, à la note de bas de page 16 du § 4.2.8, à la note de bas de page 17 du § 4.2.19 et/ou § 4.2.24 de l'Article 4 des Appendices 30 et 30A ou Résolution 49.	<input type="checkbox"/> Part C - Cancellation of a previously published Part A Special Section and/or frequency assignments from the Region 2 Plan in accordance with § 4.2.6, footnote 16 to § 4.2.8, footnote 17 to § 4.2.19 and/or § 4.2.24 of Article 4 of Appendices 30 and 30A or Resolution 49.	<input type="checkbox"/> Parte C - Cancelación de una Parte A de la Sección Especial previamente publicada y/o de las asignaciones de frecuencia del Plan de la Región 2, de conformidad con el § 4.2.6, la nota 16 del § 4.2.8, la nota 17 del § 4.2.19 y/o § 4.2.24 del Artículo 4 de los Apéndices 30 y 30A o Resolución 49.
<input type="checkbox"/> Partie D - Liste des administrations dont l'accord est nécessaire pour mener à bien la procédure de l'Article 4 conformément au § 4.2.14ter de l'Article 4 des Appendices 30 et 30A.	<input type="checkbox"/> Part D - List of administrations whose agreements are required for completion of the Article 4 procedure in accordance with § 4.2.14ter of Article 4 of Appendices 30 and 30A.	<input type="checkbox"/> Parte D - Lista de administraciones cuyo acuerdo se necesita para terminar el procedimiento del Artículo 4, de conformidad con el § 4.2.14ter del Artículo 4 de los Apéndices 30 y 30A.

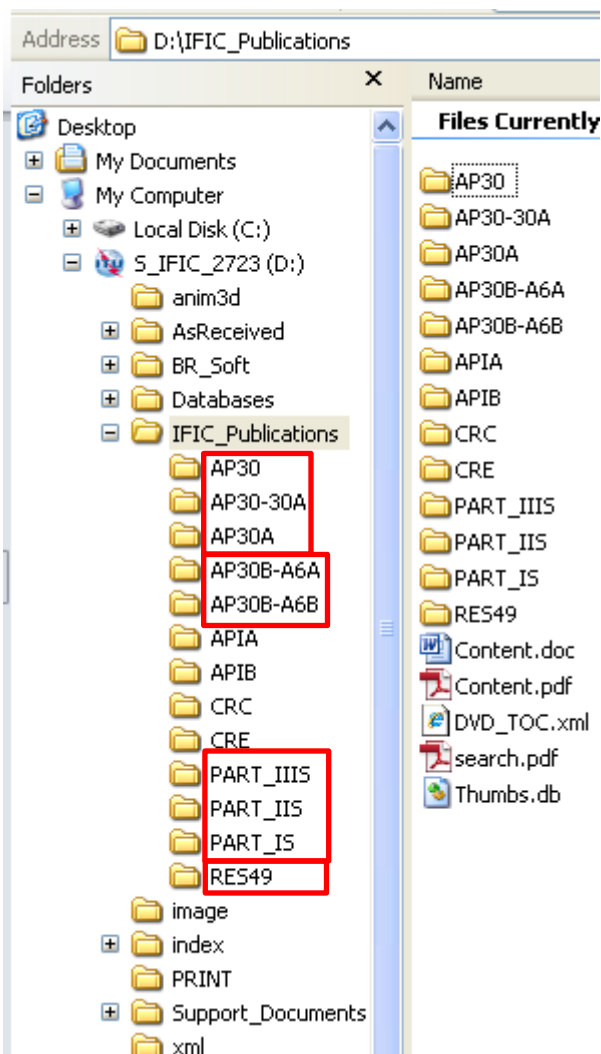
SOMMIS AU TITRE DE SUBMITTED UNDER SOMETIDO CON ARREGLO A	§ 4.2.6	DATE LIMITE POUR LA RÉCEPTION DES COMMENTAIRES : EXPIRY DATE FOR THE RECEIPT OF COMMENTS : FECHA LÍMITE PARA LA RECEPCIÓN DE LOS COMENTARIOS :	10.11.2012
-----------------------------------------------------------------	----------------	------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------

Special Sections, Part I-S, Part II-S and Part III-S

Administrations et/ou réseaux à satellite affectés / Affected administrations and/or satellite networks / Administraciones y/o redes de satélite afectadas
 受影响的主管部门和/或卫星网络 / Затронутые администрации и/или спутниковые сети / أو الشبكات الساتلية المتأثرة/الإدارات و

A1f1 Notifying adm.	A1f3 Inter. sat org.	A1a Sat. Network / A1b Plan beam identification	BR6a Id. no.	A4a1 Orbital long.	BR45 Max. EPM/OEPM degradation
App.30 Art.4, §4.2.3 c) - Annexe 1, §2 et App.30A Art.4, §4.2.2 c) - Annexe 1, §3 App.30 Art.4, §4.2.3 c) - Annex 1, §2 and App.30A Art.4, §4.2.2 c) - Annex 1, §3 Ap.30 Art.4, §4.2.3 c) - Anexo 1, §2 y Ap.30A Art.4, §4.2.2 c) - Anexo 1, §3 附录30第4条, 第4.2.3 c)段- 附件1, 第2段和附录30A第4条, 第4.2.2 c)段 - 附件1, 第3段 Пр. 30 Ст. 4, п. 4.2.3 c) – Дополнение 1, п. 2 Пр. 30А Ст. 4, п. 4.2.2 c) – Дополнение 1, п. 3 الفقرة 3.2.4 ج) من المادة 4 من التذييل 30 - الفقرة 2 من الملحق 1 والفقرة 2.2.4 ج) من المادة 4 من التذييل 30A - الفقرة 3 من الملحق 1					
ARG		ARGINSU4	86550005	94.2 W	0.251
		ARGINSU5	86550006	55.2 W	1.103
		ARGNORT5	86550008	54.8 W	0.708
		ARGSUR05	86550010	55.2 W	1.574
ATG		ATGGSJN01	86550011	79.7 W	0.647
B		B CB311	86550013	64.2 W	9.338
		B CB311	86550014	63.8 W	8.178
		B CB411	86550017	64.2 W	8.158
		B CB411	86550018	63.8 W	6.422
		B CB511	86550021	64.2 W	7.903
		B CB511	86550022	63.8 W	6.326
		B NO611	86550023	74.2 W	1.660
		B NO611	86550024	73.8 W	1.745
		B NO711	86550025	74.2 W	1.681
		B NO711	86550026	73.8 W	1.748
		B NO811	86550027	74.2 W	1.503
		B NO811	86550028	73.8 W	1.763
		B SU111	86550030	81.2 W	0.445
		B SU111	86550031	80.8 W	0.396
		B SU211	86550034	81.2 W	0.508
		B SU211	86550035	80.8 W	0.492
		B-SAT-3A-1	110555005	45.1 W	2.171
		B-SAT-3A-2	112555001	44.9 W	1.224
		B-SAT-3C	110555004	70 W	7.786
		B-SAT-3Q	112555003	61 W	2.472
CAN		CAN01101	86550046	137.8 W	0.260
		CAN01201	86550047	138.2 W	0.266
		CAN01201	86550048	137.8 W	0.281
		CAN01606	86550069	70.7 W	3.884
		CAN01606	86550070	70.3 W	6.405
		CAN03101	86550071	138.2 W	0.266
		CAN03201	86550073	138.2 W	0.285
		CAN03606	86550095	70.7 W	3.857
		CAN03606	86550096	70.3 W	6.317
		CAN-BSS1	96555002	82 W	1.784
		CAN-BSS1X	106555001	82 W	1.860

Special Sections, Part I-S, Part II-S and Part III-S (Cont.)



1. **AP30/30A Special Sections (Part A, B, C, D):**
For Region 2: \IFIC_Publications\AP30-30A
For R1&3 BSS: \IFIC_Publications\AP30
For R1&3 Feeder-link BSS: \IFIC_Publications\AP30A

(Note: names are given in accordance with the corresponding Special Section numbers. e.g. AP30e0422.pdf)

2. **AP30B Special Sections (A6A, A6B, A7):**
\IFIC_Publications\AP30B

(Note: names are given in accordance with corresponding Special Section numbers. e.g. AP30B-A6a0102.pdf)

3. **Notification Publications:**

For Part I-S: \IFIC_Publications\PART_IS

For Part II-S: \IFIC_Publications\PART_IIS

For Part III-S: \IFIC_Publications\PART_IIIS

(Note: names are given in accordance with corresponding Part and Notice identification number. e.g. part1s_110560003.pdf)

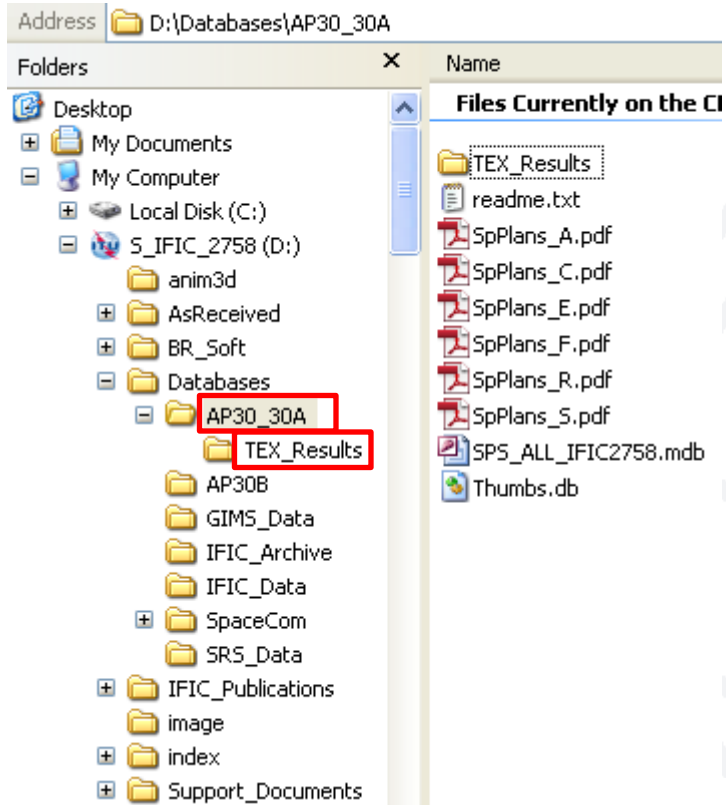
4. **Res. 49 Publication :** \IFIC_Publications\RES49

(Note: names are given in accordance with corresponding Special Section numbers. e.g. RES491410.pdf)

Databases for Space Plans on BR IFIC

AP30/30A:

Corresponds to BR IFIC number



1. SPS_ALL_IFICnnnn.mdb

\Databases\AP30_30A\

2. Technical Examination results (MSPACE and PFD) for each Article 4 Part A network.

\Databases\AP30_30A\TEX_Results\

(e.g “AP30-30A_SAT67W_mspace_results.mdb” contain the MSPACE results for the SAT67W network under Appendices 30 & 30A.)

AP30B:

Corresponds to BR IFIC number

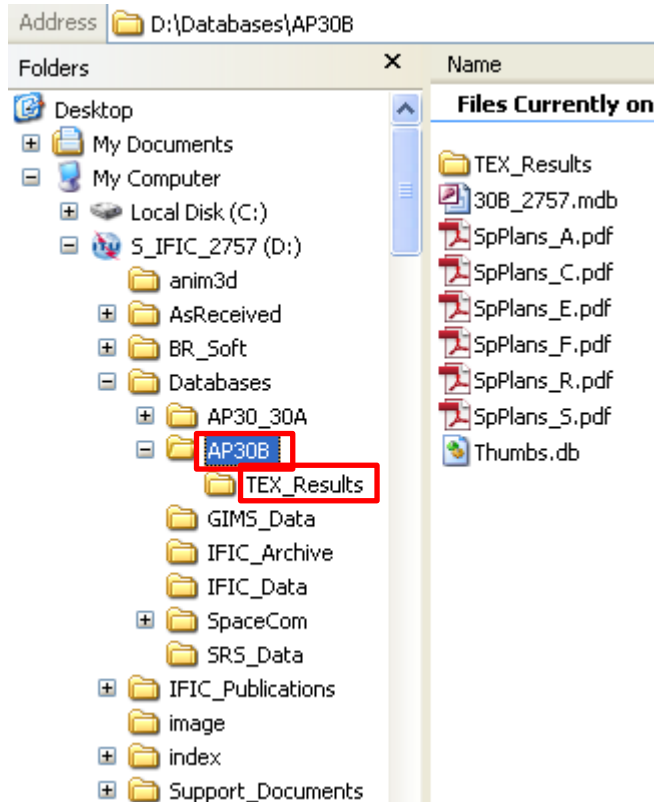
1. 30B_nnnn.mdb

\Databases\AP30B\

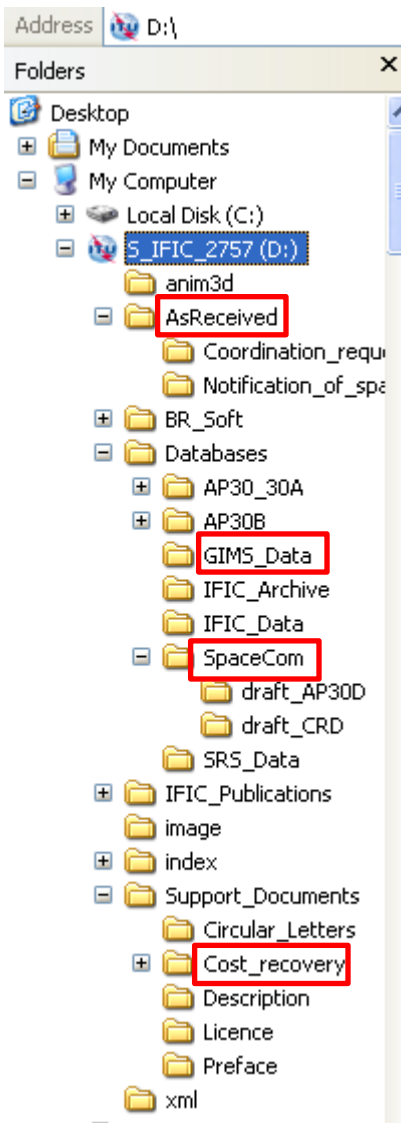
2. GIBC/AP30B technical examination results database

\Databases\AP30B\TEX_Results\

(e.g “112559097_SAT-30B_5E-5_results.mdb” contain the GIBC/AP30B results for the SAT-30B_5E-5 network.)



Other published data related to Space Plans on BR IFIC



1. As received published in BR IFIC:

For AP30/30A:

\\AsReceived\Space_plans_AP30_and_30A\

For AP30B:

\\AsReceived\Space_plans_AP30B\

(Note: names are given in accordance with ntc_id given by BR and submitted satellite name. e.g. 110555091_bss-sat-33.zip)

2. GIMS database (grefdbnnnn.mdb):

\\Databases\GIMS_Data\

Complete
GIMS
database (no
need of GIMS
update)

3. Draft Part D or F/D SpaceCom files:

For AP30*/E/D:

\\Databases\SpaceCom\draft_AP30D\

For AP30-30A/F/D:

\\Databases\SpaceCom\draft_AP3030AFD\

4. Cost recovery invoices:

\\Support_Documents\Cost_recovery\

Outline

I. BR-IFIC (Space Services)

- ✓ List of networks published in the current BR IFIC
- ✓ Special Sections, Part I-S, Part II-S and Part III-S
- ✓ Databases for Space Plans
- ✓ Other related data

II. Space Plan information on the ITU Website

AP30/30A

AP30B

SNL On line

SNS On line

Space Services - E-learning center



Space Plan information on the ITU Website

<http://www.itu.int/en/ITU-R/space/plans/Pages/default.aspx>

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Space Plans

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 - Frequently Asked Questions
 - Appendices 30 & 30A BSS Plan
 - Appendix 30B FSS Plan
 - Master Register
 - Resolution 49
 - Resolution 547
 - Seminar Papers
 - Databases and Services
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 - SNS
- Plans section of the ITU website. Here you will find 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 operators, and other interested parties. News and updates to these pages
- The World Radiocommunication Conference 2000 (WRC-2000) revised the Broadcasting-Satellite Service (BSS) downlink Plan and associated feeder-link Plan for the fixed-satellite service in Regions 1, 2 and 3. The Conference also created a BSS downlink Plan for the fixed-satellite service 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 § 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

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To AP30/30A page

To AP30B page

To SNL and SNS

INFORMATION

- [Circular Letters related to Space Plans](#)
- [Radio Regulations, Edition of 2012](#)
- [Description of the "Worst Case Approach"](#)

GROUPS

- [ITU-R Study Group 4 - Working Party 4A: Efficient spectrum/orbit utilization](#)
- [ITU-R Study Group 6 - Working Party 6S: Satellite Broadcasting \(formerly known as JWP 10-11S\)](#)
- [Special Committee on Regulatory/Procedural Matters \(SC\)](#)



“What’s New” webpage

<http://www.itu.int/en/ITU-R/space/plans/Pages/WhatsNew.aspx>



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News and updates

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Updates of Master Register, AP30/30A/30B new Publications, Resolution 49, etc.

Space Plans	<input type="checkbox"/> New	Date	BR IFIC	Up
What's New		10.12.2013	2759	Further Satellite networks created under Article 4 of Appendices 30 and 30A The Bureau has created and published additional satellite networks in application of Article 4 of Appendices 30 and 30A.
Frequently Asked Questions		10.12.2013	2759	Regions 1 & 3 List Updated Pursuant to § 4.1.15 of Appendix 30 and 30A, the Article 4 procedure for F-SAT-E-BSS-7W satellite network has been successfully completed. The subject assignments have therefore been included in the Regions 1 & 3 List and published in Part B Special Sections. The Reference Situation (EPM) of the Plan and List for Regions 1 and 3 and of other Article 4 submissions, which are still at the stage of application of that Article, has been updated accordingly.
Appendices 30 & 30A BSS Plan				
Appendix 30B FSS Plan				
Master Register		10.12.2013	2759	Master Register Updated Pursuant to § 5.2.2 of Appendices 30 and 30A, the Article 5 procedure for F-SAT-E-BSS-7W satellite network has been successfully completed. The subject assignments have therefore been recorded in the Master Register and published under Parts I-S and II-S. The Master Register Database has been updated accordingly.
Resolution 49				
Resolution 547		26.11.2013	2758	Further Satellite networks treated under Article 4 of Appendices 30 and 30A The Bureau has treated and published additional satellite networks in application of
Seminar Papers				

AP30/30A webpage

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

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Appendices 30 & 30A BSS Plan (including associated MSPACEg software)

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Various World Radiocommunication Conferences have revised Appendices 30 and 30A to the Radio Regulations.

Space Plans

The Bureau is using the revised Appendices 30 and 30A as adopted at WRC-12 in its examination of the regulatory and technical aspects of submissions to modify the Plans/Lists. It is also publishing the related Special Sections, that contain the filed satellite network characteristics and coordination requirements.

What's New

Frequently Asked Questions

Appendices 30 & 30A BSS Plan

Pursuant to Footnote 32 to Article 9A of Appendix 30A, the Bureau has computed power control values for all assignments in the Regions 1 and 3 feeder-link Plan as adopted by WRC-2000. For assignments in the Regions 1 and 3 feeder-link List, the Bureau has calculated power control values only for those with a request to use power control. For more information on the implementation of power control, please see Circular Letter CR/356. Calculated power control values in tabular format:

Appendix 30B FSS Plan

- Power control for assignments in the Regions 1 and 3 feeder-link Plan: and
- Power control for assignments in the Regions 1 and 3 feeder-link List on or before 10 December 2013.

Master Register

Resolution 49

This information also exist in the "pwr_ctrl" table of the SPS database (BR IFIC 2762 and later).

Resolution 547

The latest reference situations resulting from these modifications to the constantly evolving Plans/Lists database below.

Seminar Papers

Databases and Services

SNL

SNS

Space Plans Systems (SPS) Version 7 Database

Type	Name	Modified	File Size
	SPS_ALL_IFIC2782.zip	11/11/2014	47321 KB

Publication of Power Control values for Region 1 & 3 feeder-link Plan and List (BRIFIC 2762 and later)

AP30/30A webpage

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

Databases and Services

SNL

SNS

Space Plans Systems (SPS) Version 7 Database


Type	Name	Modified	File Size
	SPS_ALL_IFIC2782.zip	11/11/2014	47321 KB

NOTE 1 - The technical characteristics and reference situation (EPM) for the Appendix 30/30A Plans & Lists and for pending Article 4 networks are provided in the Space Plans Systems (SPS) Version 7 database (MS Access 2000 format).

In order to properly view the SPS database, [SpaceCap](#) (v7.0.0 or later) or [SpacePub](#) (v7.0.0 or later) software is required. SPS (v7.0.0.8 or later) is required to perform an MSPACE analysis on the networks contained in this database. Note that this database does not yet contain data for Appendix 30B networks (The Appendix 30B database is [here](#)).

NOTE 2 - Reference EPM values provided in the Regions 1 & 3 Plan and List files were calculated taking into account the interfering effect between Plan and List assignments and a 9° orbital separation limit. The user should set the MSPACEg options accordingly.

NOTE 3 - The following software needs to be installed to perform an analysis on the various Space Plans.

-  [SPS version 7.2.0.0 for Appendices 30 & 30A \[14.0 MB\] Updated 13.10.2014](#) (to install, download unzip and run [SPS 7.2.0.0 Setup.exe](#)).
- [GIBC v9.0.0.1 or later](#). Available from the BR IFIC DVD-ROM ([Space Services](#))
- [GIMS v8.6 or later](#). Available from the BR IFIC DVD-ROM ([Space Services](#))
- [GIMS Database](#). Available from the BR IFIC DVD-ROM ([Space Services](#))

The Bureau has produced video presentations to assist administrations in using the SPS/MSPACEg software application:



[MSPACEg_R13_DL](#) shows how to run MSPACEg for Appendix 30 Region 1 & 3 downlink assignments.



[MSPACEg_R13_FL](#) shows how to run MSPACEg for Appendix 30A Region 1 & 3 feeder-link assignments.



[MSPACEg_R2](#) shows how to run MSPACEg for Appendices 30 & 30A Region 2 assignments.



A30B webpage

<http://www.itu.int/en/ITU-R/space/plans/Pages/AP30B.aspx>

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Appendix 30B FSS Plan

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Space Plans

The World Radiocommunication Conference 2007 (Geneva, WRC-07) adopted revised provisions and updated technical parameters for Appendix **30B** of the Radio Regulations.

What's New

In accordance with *resolves 1* of Resolution **149**, the revised Appendix **30B** entered into force as of 17 November 2007.

Frequently Asked Questions

Pursuant to *resolves 2* of the above-mentioned Resolution, the Bureau has computed the complete reference situation of the Appendix **30B** Plan and the associated List of assignments (i.e. for all test-points) as of 17 November 2007, based on the decisions of the Conference. The reference BSS situation will be used for subsequent application of the provisions of Articles 6 and 7 of Appendix **30B**.

Appendices 30 & 30A BSS Plan

Appendix 30B FSS Plan

[Circular Letter CR/280](#) provides details on the implementation of the revised Appendix **30B** and Resolution **149**.

Master Register

The details of the information published by the Bureau for satellite networks subject to Appendix **30B** are contained in the zipped Version 7 database below.

Resolution 49

Resolution 547

Appendix 30B FSS Plan Version 7 Database

Type	Name	Modified	File Size
	30B_2759.zip	10/12/2013	13897 KB

Databases and Services

SNL

SNS

NOTE 1 – [Circular Letter CR/306](#) provides details on the production version of the software package required for the new examinations under Annexes 3 and 4 to Appendix **30B** as instructed in Resolution **149**.

A30B webpage

<http://www.itu.int/en/ITU-R/space/plans/Pages/AP30B.aspx>

Seminar Papers	Type	Name	Modified	File Size
Databases and Services		30B_2759.zip	10/12/2013	13897 KB

SNL


SNS


NOTE 1 – [Circular Letter CR/306](#) provides details on the production version of the software package required for the new examinations under Annexes 3 and 4 to Appendix **30B** as instructed in Resolution **149**.


NOTE 2 – The following software needs to be installed in order to perform an analysis on the latest version of the Appendix **30B** Plan:


- [GIBC v9.0.0.1 or later](#). Available from the BR IFIC DVD-ROM (Space Services)
- [GIMS v8.6 or later](#). Available from the BR IFIC DVD-ROM (Space Services)
- [GIMS Database](#). Available from the BR IFIC DVD-ROM (Space Services)

The Bureau has produced video presentations to assist administrations in using the new GIBC software package:


 [gibc_ap30b_ci](#) (MPEG-4 or [avi format](#)) shows how to perform C/I degradation analysis with respect to Appendix **30B** Annex 4 protection criteria using GIBC-Appendix **30B**.

 [gibc_ap30b_pfd_sa](#) (MPEG-4 or [avi format](#)) shows how to perform PFD and Service Area coverage analysis using GIBC Appendix **30B** application.

 [AP30BTexCap_A6B](#) (MPEG-4 or [avi format](#)) shows how to update reference situations (AP30B#A6B and AP30B#A7).

 [AP30BTexCap_A6A](#) (MPEG-4 or [avi format](#)) shows how to establish the reference situation of the examined network and store examination results, affected administrations and networks in the SNS-format AP30B database.

 [AP30BTexCap_A6A_ViewResults](#) (MPEG-4 or [avi format](#)) shows how to view and print the Annex 4 C/I examination results

NOTE 3 – Download the complete reference situation of the Appendix **30B** Plan at the time of 'WRC-07'  [2.35MB](#) (see



Space Plan Assignments Recorded in the Master Register

<http://www.itu.int/en/ITU-R/space/plans/Pages/MIFR.aspx>

Resolution 49

[Click here for a list of geostationary-satellite networks in the broadcasting-satellite Service \(BSS\) and its associated feeder links notified and published in application of the provisions of Article 5 of Appendices 30 and 30A of the Radio Regulations.](#)

Resolution 547

[Click here for a list indicating the bringing into use of Space Plan assignments recorded in the Master register.](#)

Seminar Papers

Databases and Services

The Bureau maintains a database (SNS/SPS format) of notified frequency assignments that have been recorded in the Master Register under Article 5 of Appendices **30** and **30A**. It is available for download below.

[SNL](#)

Appendix 30B

[SNS](#)

Any assignment for which the relevant procedure of Article 6 of Appendix **30B** has been successfully applied shall be notified to the Bureau using the relevant characteristics listed in Appendix **4**, not earlier than three years before the assignments are brought into use. The procedure of Article 8 of Appendix **30B** is then applied. The Bureau examines the submission to assure that the information received is complete, that the data elements are in conformity with Appendix **4**, and that the notified characteristics comply with those of the entries into the List.

Where the Bureau reaches a favourable finding with respect to the examination under Article 8 of Appendix **30B**, the frequency assignment is recorded in the Master Register.

[Click here for a list of geostationary-satellite networks in the fixed-satellite Service \(FSS\) notified and published in application of the provisions of Article 8 of Appendix 30B of the Radio Regulations.](#)

[Click here for a list indicating the bringing into use of Space Plan assignments recorded in the Master register.](#)

The Bureau maintains a database (SNS/SPS format) of notified frequency assignments that have been recorded in the Master Register under Article 8 of Appendix **30B**. It is available for download below.

Space Plans Systems (SPS) Database Version 7

Type	Name	Modified	File Size
	SPS_ALL_IFIC2759.zip	10/12/2013	41944 KB
	30B_2759.zip	10/12/2013	13897 KB

Space Network List (SNL)

<http://www.itu.int/ITU-R/space/snl/index.html>

Space network List (SNL)

YOU ARE HERE > HOME > ITU-R > SPACE SERVICES > SNL

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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. It includes sections on Advanced Publication Information, coordination requests, notifications, Plans information and their related processing backlog.

More information can be found in the [Circular Letter 232](#). Also, The Bureau would appreciate receiving your comments.

Space Services Department

News

Space Support

BR IFIC

Preface

Cost Recovery

Space Plans

Databases and Services

SNL

SNL Part A gives information on the use of the frequency spectrum, the occupancy of the geostationary orbit and non-geostationary orbit. SNL Part B gives information on all reference publications (special sections and PARTs) related to the space services. SNL Part C gives information on pending networks - received but not yet published by the Bureau. To obtain more detail information on a network, please consult [SNS-online](#).

The collection of the BR WIC and BR IFIC Space Services is purchasable on DVD ROM

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

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

INFORMATION "AS RECEIVED" (PART-C)

- Coordination Requests
- Notifications of Space Stations

BSS - RR 23.13 AND RES 553

- 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

Do not confuse with Part A, B, C of Special Sections of AP30/30A !

Information on RR No.23.13 requests

Space Network Systems Online (SNS Online)



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

SNS Home External

Page Safety Tools



Radiocommunication

Space Network Systems Online

New SNS Online as from January 2013

Welcome to Space Network Systems Online!

TIES account required

SNS Online gives access to the **Space Networks Systems Database** of the Radiocommunication Bureau of the ITU. The database contains **AP** 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 to the service you have access to the following features:

SNS Database

[Description \(Pdf document: see Section III\)](#) View the description of the database.

[SNS Database Changes](#) View the description of the database changes.

Query Systems

[General Query System \(non-planned bands\)](#) Navigate the 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, frequencies, coordination information for the selection.

[Space Plans Query System](#) allows you to navigate the database using predefined queries to retrieve a list of satellites in the planned services and then view all the beams/antennas, frequencies, frequencies, coordination information for the selection.

Suppressed Notices Query System

Display notices in the SNS Online.

[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.

[Special Query System](#) Use complex queries to find slots for geostationary satellites, or find the satellites working in the planned services.

[Query Search and Query Builder](#) Find predefined queries.

[Graphics System](#) Have access to the graphical interface using Graphical Interference Management System - GIMS). View available earth station coordination information using the [General Query System](#) and selecting "Earth Station" from the radio buttons.

Submission Systems

[Due Diligence Filing](#) Identify networks for submission of Resolution 49 information to the Bureau. Specify date of bringing into use window, select satellite type and category etc. Select from the list of satellites for which you may submit due diligence information.

[Coordination Request Filing](#) Identify networks for submission of Coordination Request information to the Bureau based on already submitted advance publication filing. Select from the list of satellites for which you may submit coordination request information.

Getting general information on AP30/30A/30B

Getting specific information on AP30/30A/30B

Creating a Res.49 filing on AP30/30A/30B networks



Space Network Systems Online Space Plans Query System

?

NETWORKS INFORMATION

Enter data	or enter notice identifier
Satellite Name : <input type="text"/>	Notice identifier : <input type="text"/>
Notifying Administration : <input type="text"/> ▼	
Network Organization : <input type="text"/> ▼	
Longitude (from) : <input type="text"/> -180 (to) : <input type="text"/> 180	

Select plan and/or click 'Submit' or 'Cancel' to restart'

BSS Plans & Lists (AP30/30A)

<input checked="" type="radio"/> Region 1&3 Downlink (AP30)	<input type="radio"/> Region 1&3 Feeder-link (AP30A)	<input type="radio"/> Region 2 (AP30/30A)	<input type="radio"/> All
<input checked="" type="radio"/> Article 4 (Seeking agreement)	<input type="radio"/> Article 5 (Notification)	<input type="radio"/> Due Diligence (Res.49)	<input type="radio"/> PLAN/List <input type="radio"/> All

Guardbands (Space Operation Functions)

Article 2A (Coordination) Article 11 (Notification) All

or

FSS Plan (AP30B)

<input type="radio"/> Article 6 (Seeking agreement)	<input type="radio"/> Article 8 (Notification)	<input type="radio"/> Due Diligence (Res.49)	<input type="radio"/> PLAN/List <input type="radio"/> All
-----------------------------------------------------	------------------------------------------------	----------------------------------------------	-----------------------------------------------------------

Submit

Cancel



SPACE SERVICES - E-LEARNING CENTER (1)

<http://www.itu.int/en/ITU-R/space/elearning/Pages/default.aspx>



Committed to connecting the world

De Vega, Alvaro Sign out

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- Radiocommunication**
- Standardization
- Development
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Space services - E-learning center

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This portion of the ITU Radiocommunication Bureau (BR) website aims to facilitate access to information about the space-related activities of the BR, including certain aspects of the Radio Regulations, satellite network and associated earth station filings, use of the different programs comprising the BR software suite and its related databases and libraries, as well as practices and procedures of the Space Services Department (SSD).

Accessing the particular information most relevant to you is achieved by identifying the category of user that most closely corresponds to your involvement with satellite networks in relation to the BR. Alternatively, you can choose to view all the available material, and select whichever elements you think are most likely to contain the information you are looking for.

The information available is largely in the form of slideshow presentations. Additional and updated information will be added periodically.

The activities of SSD are generally divided into those relating to "Planned Services" and "Non-planned Services". For

SPACE SERVICES LIBRARY

QUICK LINKS

- ▶ [ITU-R Study Groups](#)
- ▶ [ITU-R Recommendations](#)



SPACE SERVICES - E-LEARNING CENTER (2)

The activities of SSD are generally divided into those relating to "Planned Services" and "Non-planned Services". For more information about these two types of services, please see the [FAQ page](#). The primary legal framework applied in all SSD activities is provided by the Radio Regulations and the complementary Rules of Procedure. For more information regarding these instruments, please see the [regulatory publications page](#).

Additional information can be found using the Quick Links box on the right. The search box on the top of the page may also be used to find information about a specific space-related topic. SSD welcomes user [feedback](#) about this e-learning website.

- ▶ [BR space software](#)
- ▶ [Space Plans databases](#)
- ▶ [BR IFIC \(Space services\)](#)
- ▶ [FAQ](#)

CHOOSE YOUR CUSTOMIZED TRAINING

Please select your appropriate user category

- CHOOSE A VALUE -

Please select a type of service

- CHOOSE A VALUE -

TRENDY TOPICS

- ▶ [Interference to Space Services](#)
- ▶ [Radiomonitoring](#)
- ▶ [Amateur Satellite Service](#)
- ▶ [Remote Sensing](#)
- ▶ [Small Satellites](#)

FOLLOW US



SPACE SERVICES - E-LEARNING CENTER (3)

CHOOSE YOUR CUSTOMIZED TRAINING

Please select your appropriate user category

Administration/Operator notifying a satellite network

Please select a type of service

NOT Subject to a PLAN

- Subject to a PLAN
- NOT Subject to a PLAN

See details Start the training

- Administration/Operator Notifying a Satellite Network
- Administration/Operator Notifying an Earth Station
- Administration/Operator Potentially Affected by Systems from Other Administration
- Researcher/Industry
- Organization wishing to know about ITU-R and Space Services
- Organization wishing to know about filing procedures

▶ Remote Sensing

▶ Small Satellites

▶ Target audience: Administration/Operator Notifying a Satellite Network

▶ Duration: 10 hours

▶ Description: This course is intended to provide information about the procedures to effect coordination and to notify a satellite network to the ITU in frequency bands and services not subject to a plan, and about the BR software tools required to create, validate and submit a satellite network filing relating to non-planned frequencies and services.




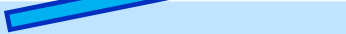
















The user targeted by the information presented in this course is typically a person who works in the administration or government of an ITU Member State or for a satellite network operator in an ITU Member State.

FOLLOW US



SPACE SERVICES - E-LEARNING CENTER (4)

PROGRAM OF THE TRAINING (ITU-SSD-P001)

Subject - Procedure		See and download the associated software
0 -	 Introduction to Space BSS and FSS Plans in ITU-R procedures 	
1 -	Planned Bands (Appendices 30 & 30A)	
1.1 -	 AP30/30A Regulation 	SpaceCap, SpaceVal, SpaceQuery
1.2 -	 AP30/30A Exercise on submission - Exercise data 	SPS package, GIBC, GIMS, SpaceVal
1.3 -	 AP30/30A Technical examination - Exercise data 	SPS package
1.4 -	 AP30/30A Exercise on SPS REPORTs - Exercise data	
1.5 -	 Video: how to run MSPACEg for Appendix 30 Region 1 & 3 downlink assignments 	
1.6 -	 Video: how to run MSPACEg for Appendix 30A Region 1 & 3 feeder-link assignments 	
1.7 -	 Video: how to run MSPACEg for Appendices 30 & 30A Region 2 assignments	
2 -	Planned Bands (Appendix 30B)	
2.1 -	 AP30B Regulation	
2.2 -	 AP30B Exercise on submission - Exercise data	SpaceCap, SpaceVal, GIMS
2.3 -	 AP30B Exercise to analyze results of GIBC - Exercise data	SpaceCap, SpaceVal, GIMS, GIBC
2.4 -	 Video: how to perform C/I degradation analysis with respect to Appendix 30B Annex 4 protection criteria using GIBC-Appendix 30B	
2.5 -	 Video: how to perform PFD and Service Area coverage analysis using GIBC Appendix 30B application	
2.6 -	 Video: how to update reference situations (AP30B#A6B and AP30B#A7)	

Presentations

Exercises

Videos

BR related Software



Any question?

E-mail: alvaro.devega@itu.int

A poster for the ITU World Radiocommunication Seminar 2014. The top half features a photograph of the Jet d'Eau fountain in Geneva, Switzerland, with the city and mountains in the background. The text 'International Telecommunication Union' is at the top. The bottom half is red and contains the ITU logo, the event title 'WORLD RADIOCOMMUNICATION SEMINAR 2014', the dates 'GENEVA, 8-12 DECEMBER 2014', and the website 'www.itu.int/go/ITU-R/WRS-14'. It also includes a QR code, the 150th anniversary logo (1865-2015), and logos for 'ITU R/REG' and 'ITU'.