



Space Plans Commenting on AP30/30A/30B Special Sections

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WRC-15 decisions on Plan commenting



➤ Commenting procedure for Appendices 30 and 30A

- **Regions 1 and 3**

- *Implicit agreement has been replaced with **Explicit agreement***



Agreement by default



Disagreement by default

- *Introduction of **procedure for BR assistance** when no reply from affected administration: § 4.1.10a to 4.1.10d of Appendices **30** and **30A** (similar to § 6.13-6.15 of Appendix **30B**)*
- *For Special Sections published as of 1 January 2017 (Circular Letter CR/400)*
- *Commenting Without SpaceCom*
- **Region 2:**
 - *No change*

➤ Commenting procedure for Appendix 30B

- *No change*



Commenting on Special Sections

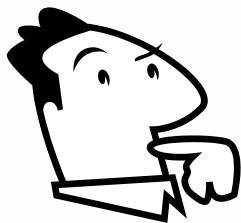


Publications subject
to comments:

Publications NOT
subject to comments:

- BSS Plan
 - AP30/E/ (Part A)
 - AP30A/E/ (Part A)
 - AP30-30A/E/ (Part A)
- SOF
 - AP30-30A/F/C/
- FSS Plan
 - AP30B/A6A/

- AP30/E/, AP30A/E/, AP30-30A/E/ (Part D, B, C)
- AP30-30A/F/D/
- AP30B/A6B/
- AP30B/A7/
- RES49/
- Part S-I, II, III



Type of Special Sections for Plans



Regions 1 and 3

Region 2

BSS

AP30/E ↓
AP30A/E ↑

AP30-30A/E ⇕

SOF

AP30-30A/F/C ⇕

AP30-30A/F/C ⇕

FSS

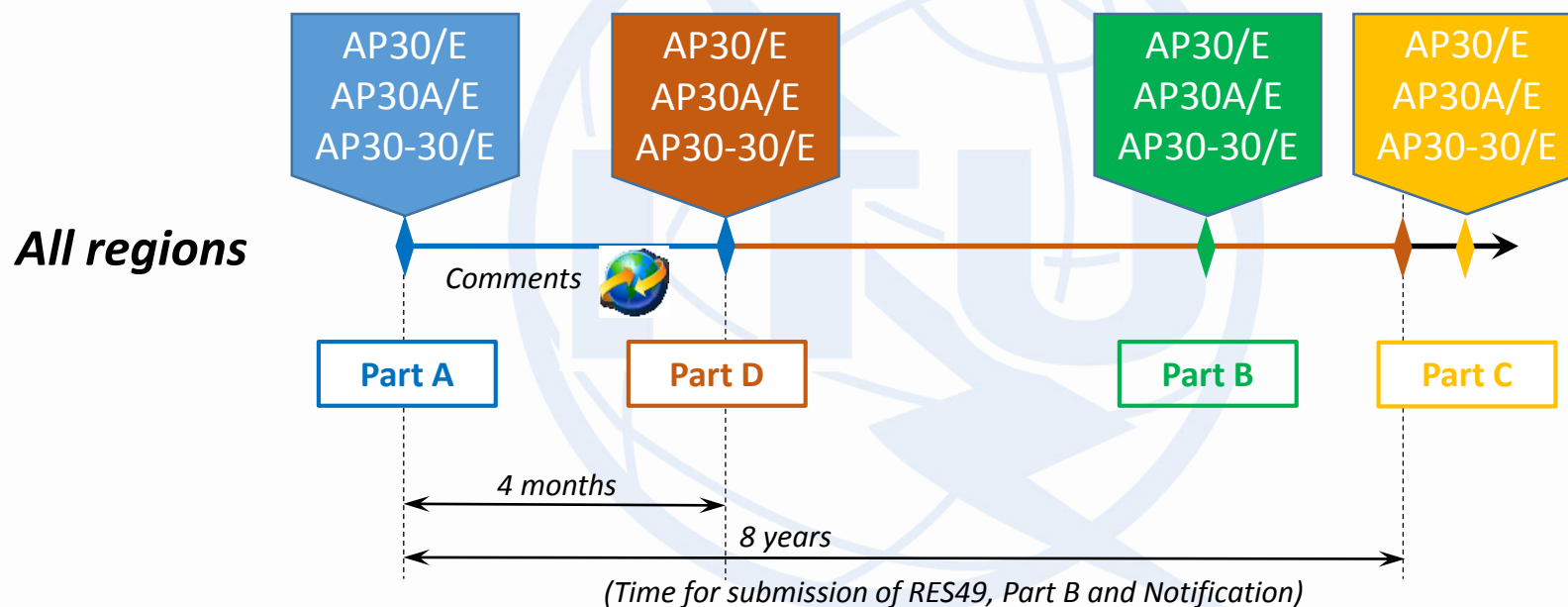
AP30B/A6A ⇕

BSS: Broadcasting Satellite-Service
SOF: Space Operations Functions
FSS: Fixed Satellite-Service

↓ : Downlink
↑ : Uplink or feeder-link

Article 4 of Appendices 30 and 30A

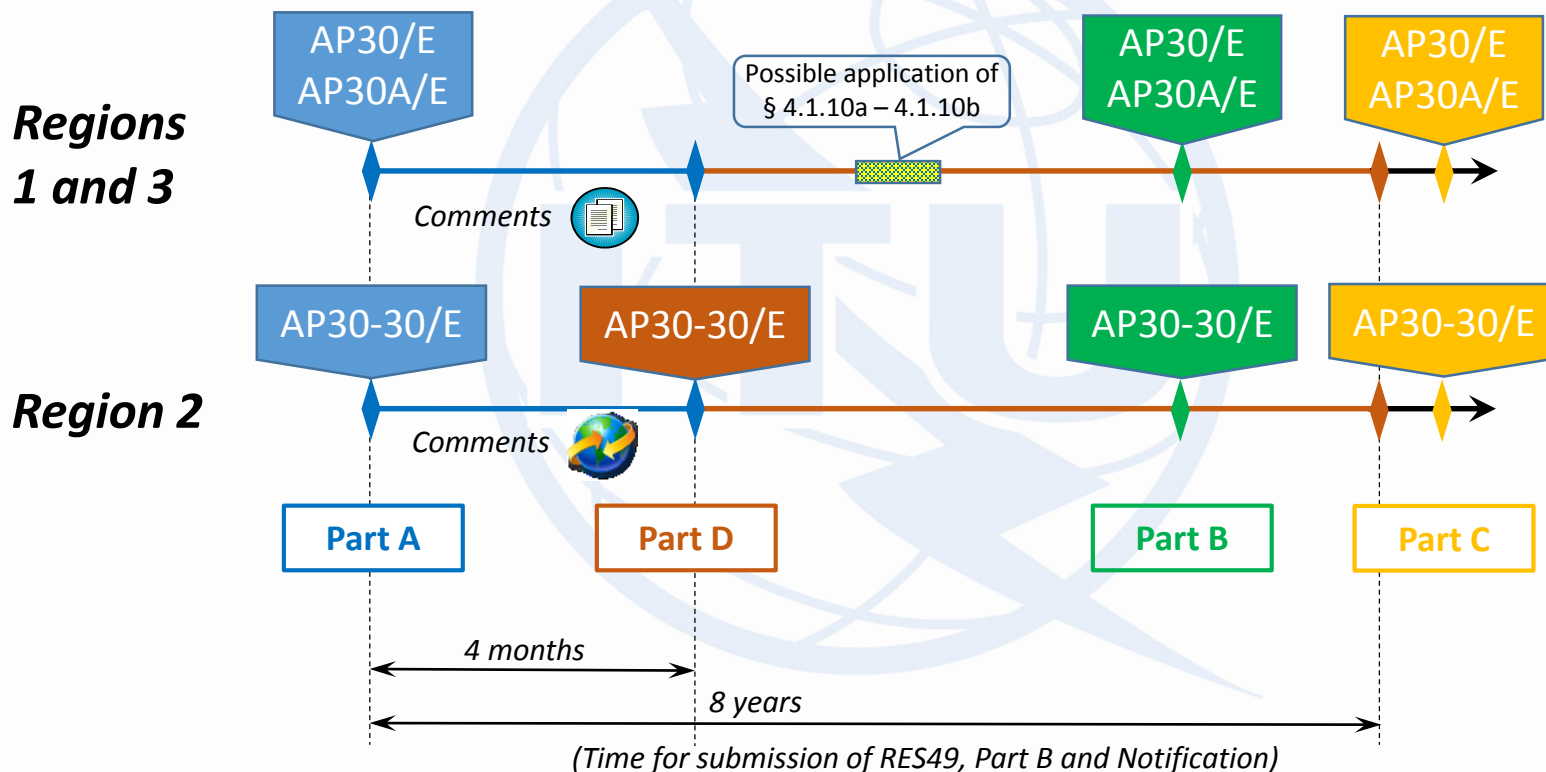
Before WRC-15...



- : Comments generated with BR Software SpaceCom
- : Comments sent par correspondence (e.g. telefax)

Article 4 of Appendices 30 and 30A

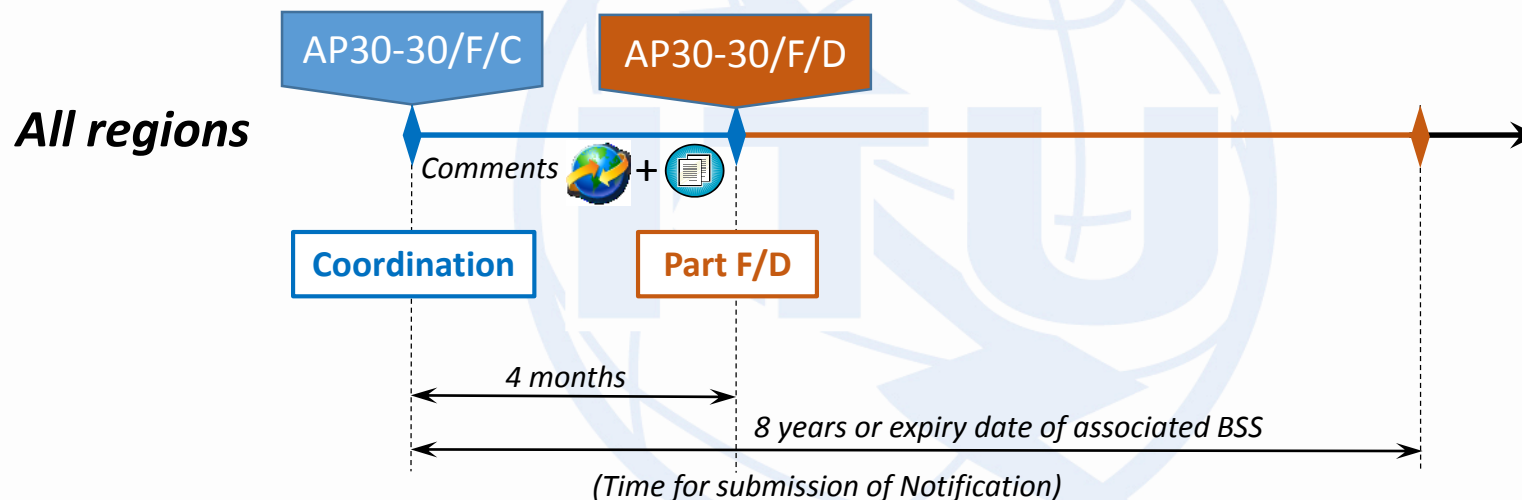
... after WRC-15





- : Comments generated with BR Software SpaceCom
- : Comments sent par correspondence (e.g. telefax)

Article 2A of Appendices 30 and 30A

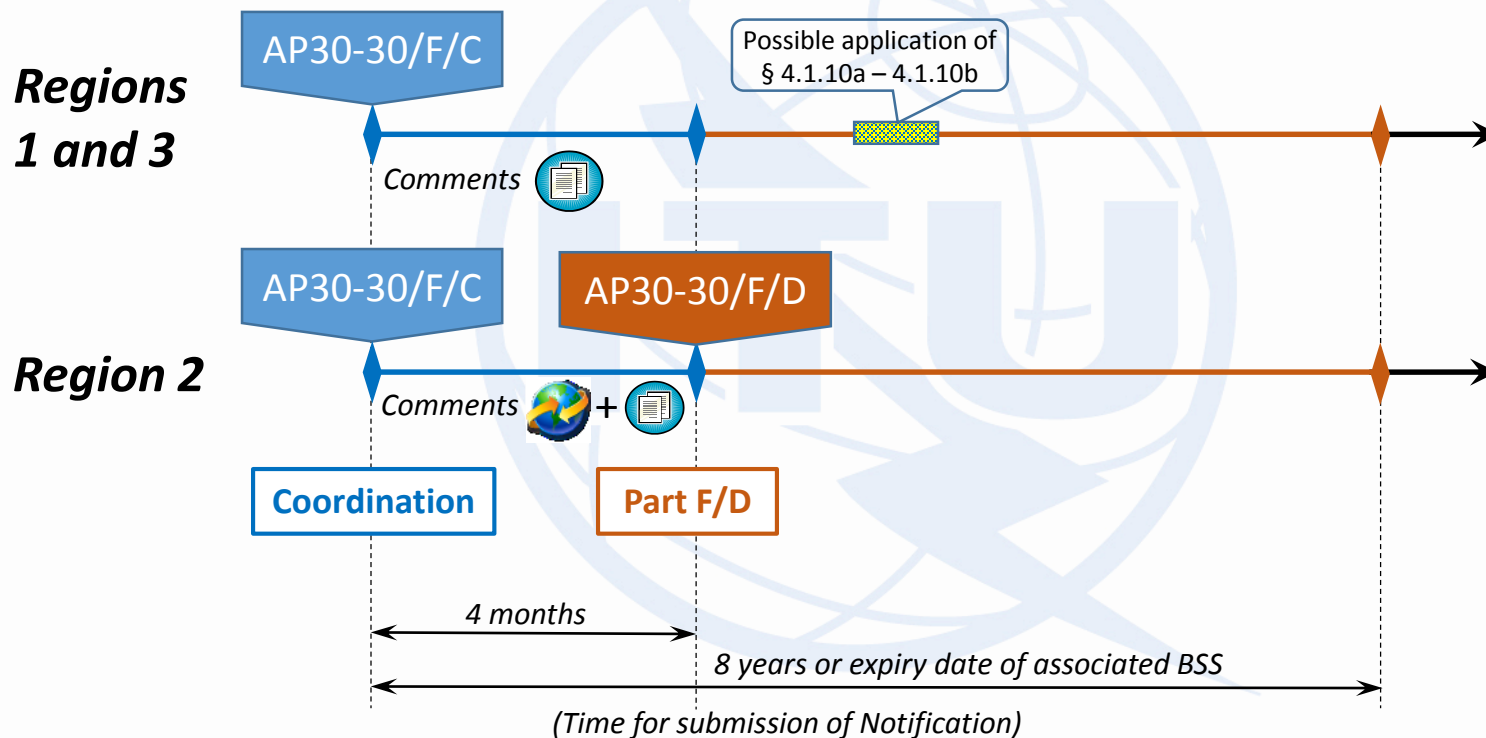
Before WRC-15...



- : Comments generated with BR Software SpaceCom
- : Comments sent par correspondence (e.g. telefax)

Article 2A of Appendices 30 and 30A

... after WRC-15

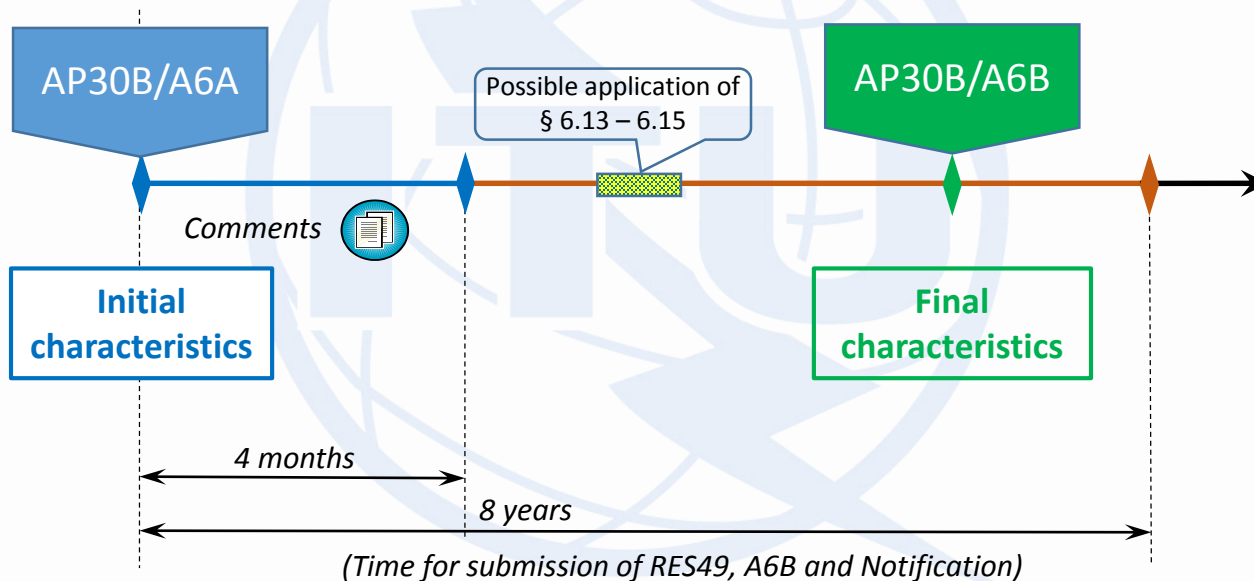


- : Comments generated with BR Software SpaceCom
- : Comments sent par correspondence (e.g. telefax)

Article 6 of Appendix 30B

Before WRC-15 = After WRC-15

All Regions



: Comments sent par correspondence (e.g. telefax)

Article 4 of Appendices 30 and 30A

Regions 1 and 3



WRC-15

Region 2



Article 2A of Appendices 30 and 30A

Regions 1 and 3



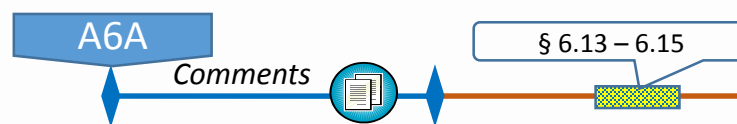
WRC-15

Region 2



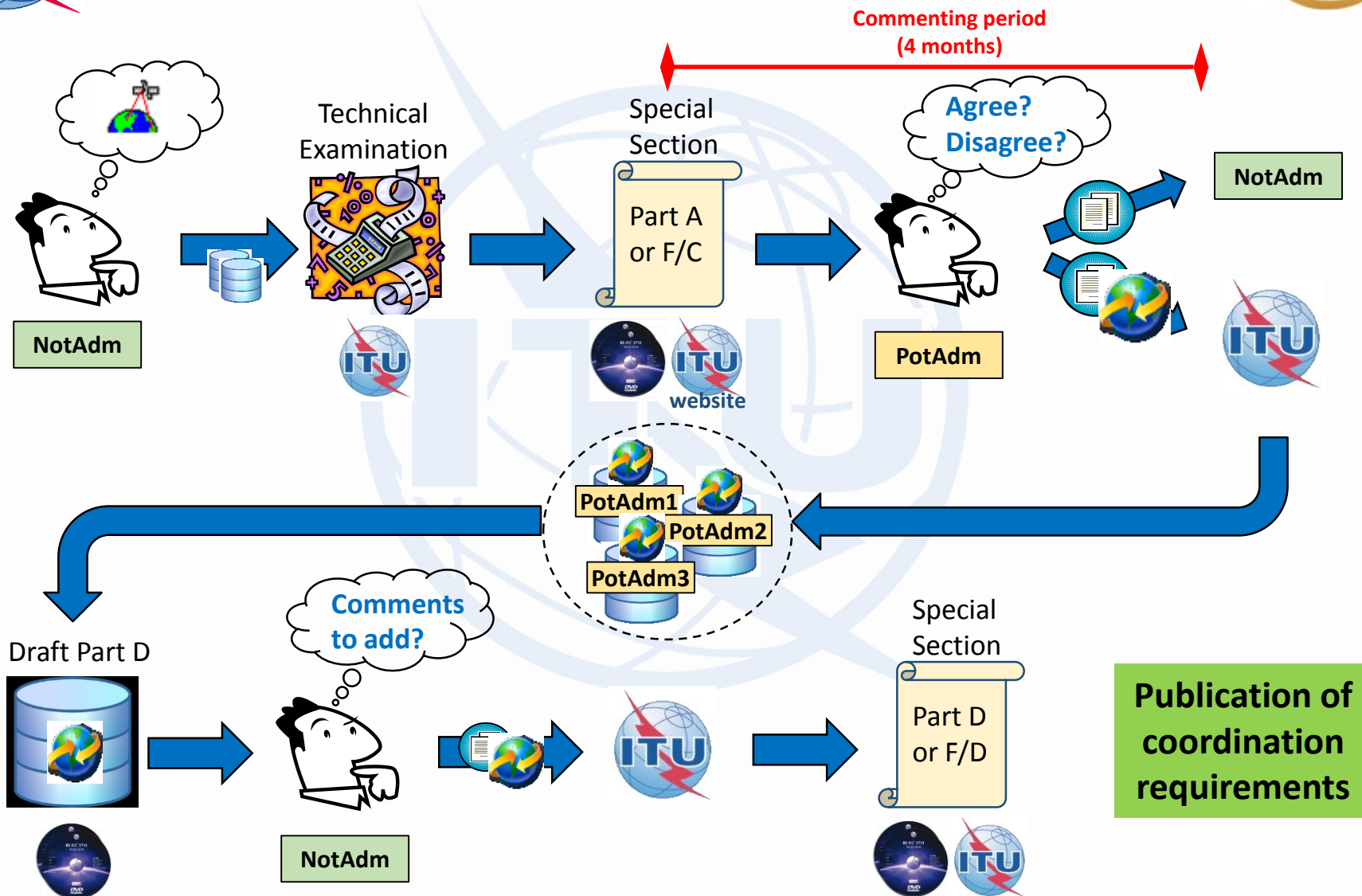
Article 6 of Appendix 30B

All Regions

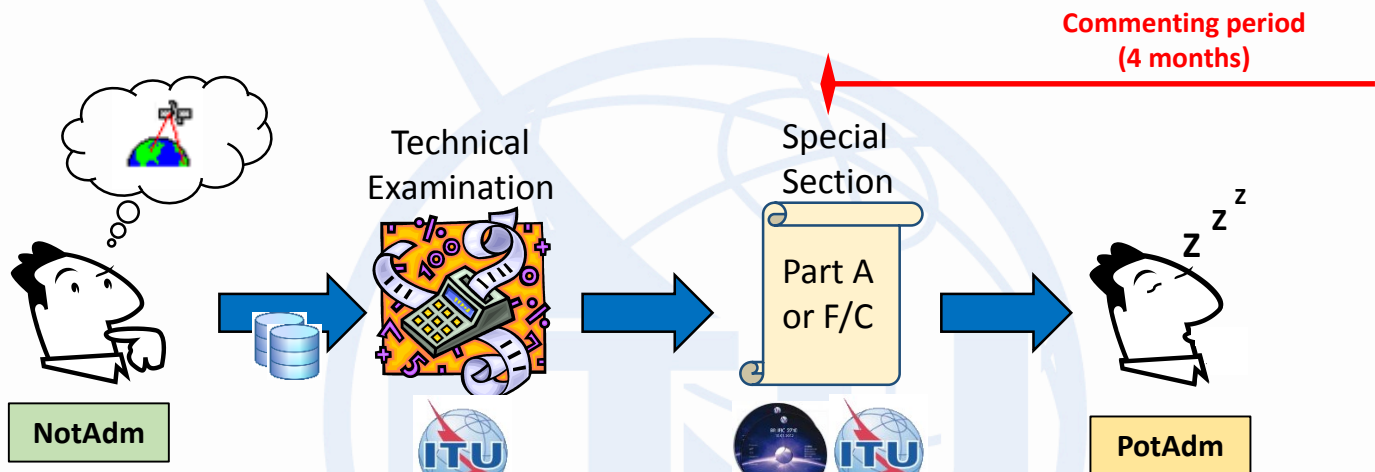




Commenting with SpaceCom

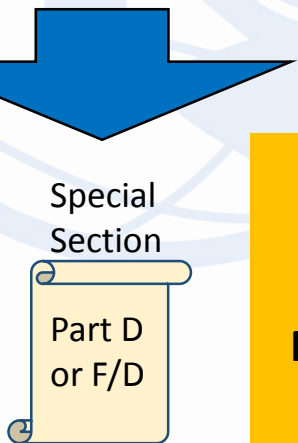


Consequences of **not commenting** when SpaceCom is required



PotAdm could receive **harmful interference** from the incoming network

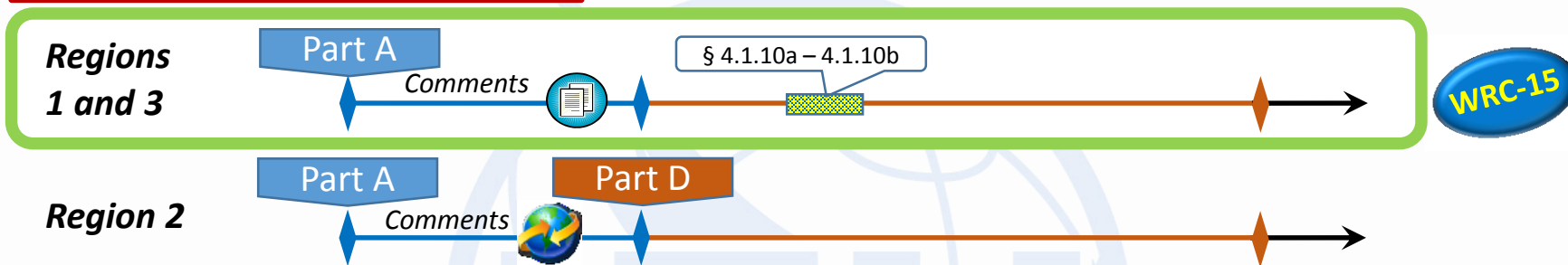
Plan assignments from PotAdm may be **degraded**



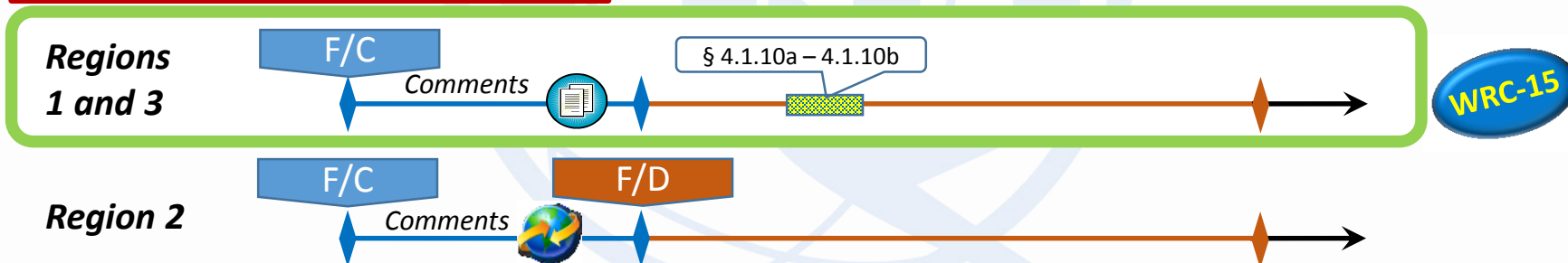
PotAdm is **not included** in the coordination requirements list:

PotAdm is deemed to have **agreed on the proposed assignments**

Article 4 of Appendices 30 and 30A



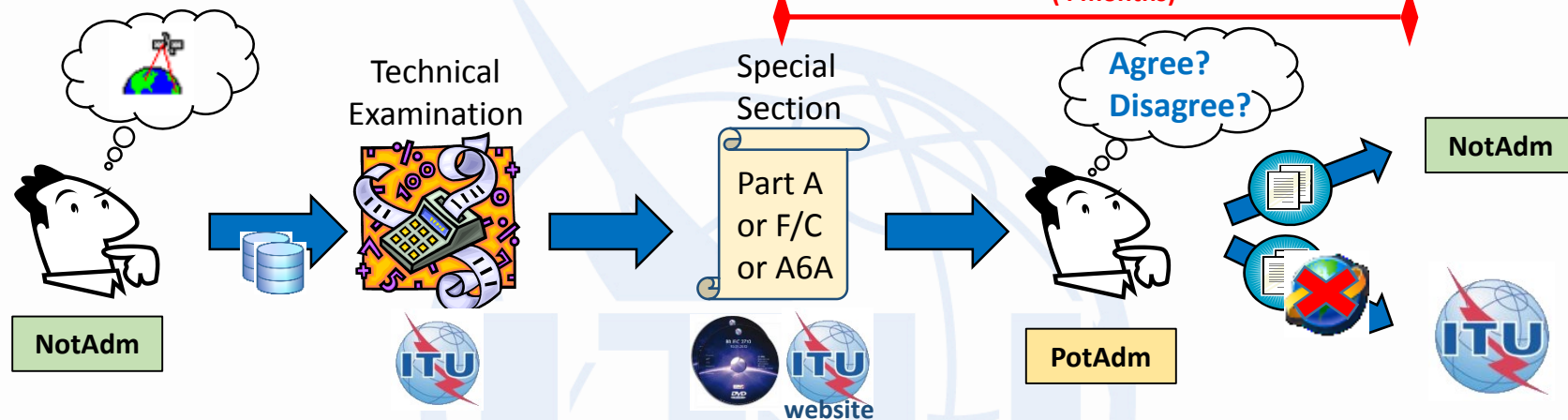
Article 2A of Appendices 30 and 30A



Article 6 of Appendix 30B



Commenting period
(4 months)



**In case of disagreement:
NotAdm needs the agreement
from
PotAdm to bring the proposed
assignments into use**

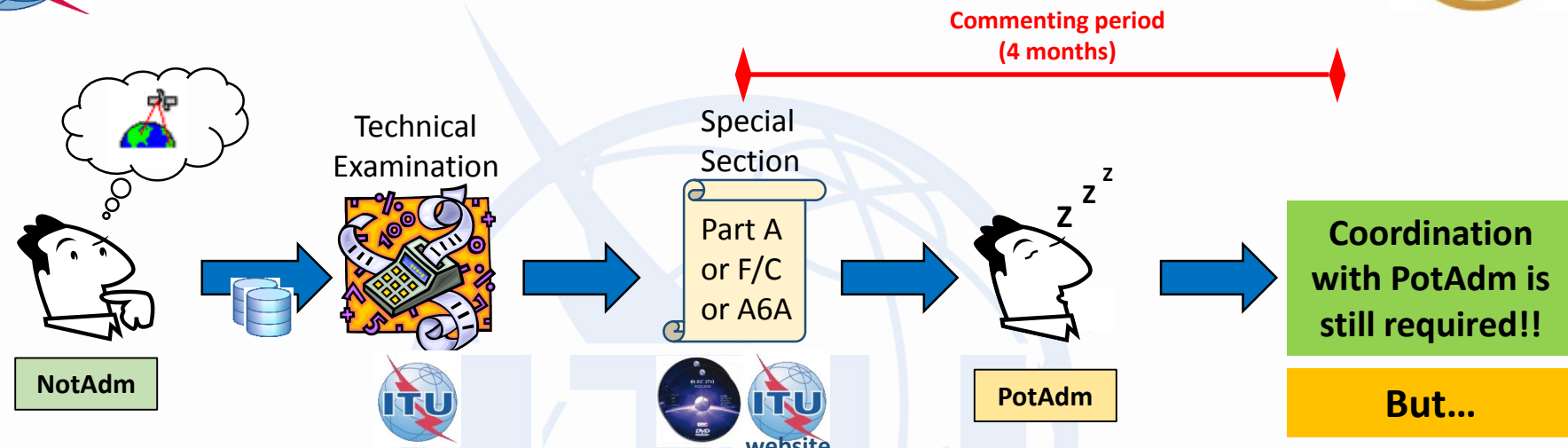
No Special
Section

Special Procedures for BR assistance:

- § 6.13-6.15 of AP30B
- § 4.1.10a-4.1.10d of AP30/30A
cannot be invoked

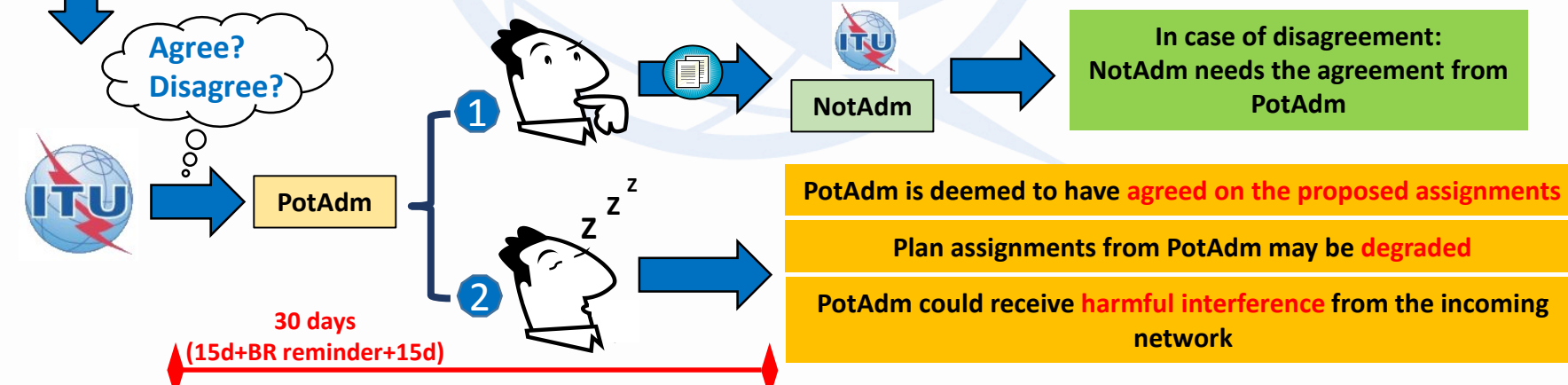


Consequences of **not commenting** when SpaceCom is not required



After 4 months, NotAdm can request BR assistance under:

- § 6.13-6.15 of AP30B
- § 4.1.10a-4.1.10d of AP30/30A

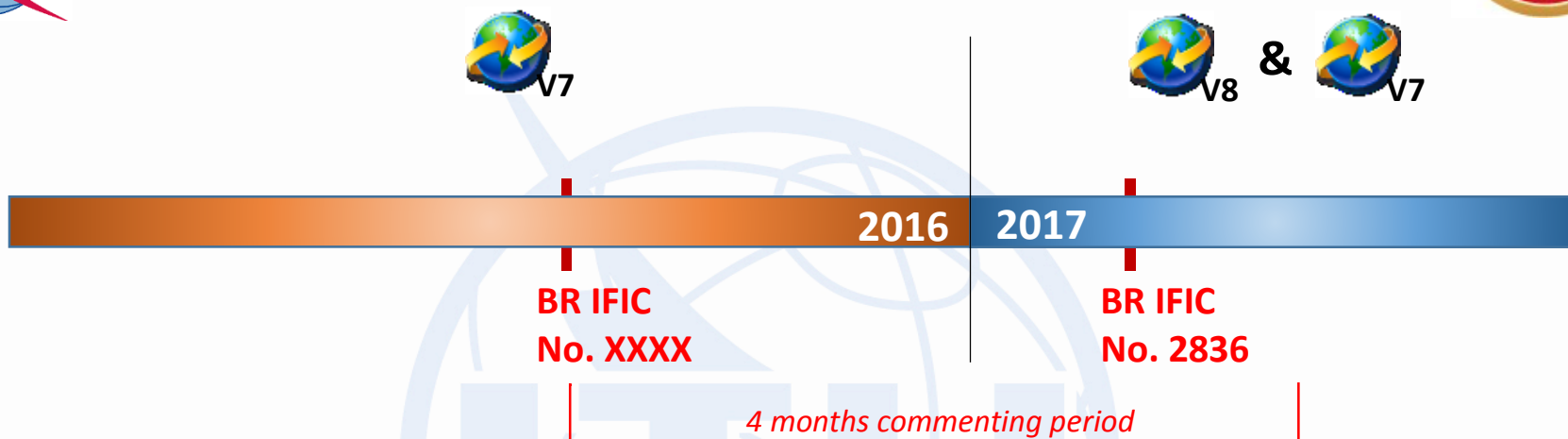




Commenting on Special Sections



	Appendices 30 and 30A					Appendix 30B (Article 6)	
	Article 4 of AP30/30A		Article 2A of AP30/30A				
Service	Broadcasting Satellite-Service		Space Operation Functions			Fixed Satellite-Service	
Regions	Regions 1&3	Region 2	Regions 1&3		Region 2	All regions	
Special Section type	AP30/E (Part A) AP30A/E (Part A)	AP30-30A/E (Part A)	AP30-30A/F/C		AP30-30A/F/C		AP30B/A6A
Provisions	All	All	RR 9.7 AP30#7.1 AP30A#7.1 AP30#4.1.1D	RR 9.7 AP30#7.1 AP30A#7.1	AP30#4.2.3D	AP30B#6.5	AP30B#6.6
How to comment	Telefax	SpaceCom	Telefax	Telefax	SpaceCom	Telefax	Telefax
Publication of coordination requirements after 4 months	NO	YES (Part D)	NO	NO	YES (F/D)	NO	NO
Assistance Procedure after 4 months	§ 4.1.10a-4.1.10d	NO	§ 4.1.10a-4.1.10d (Only for AP30#4.1.1D)		NO	NO	§ 6.13-6.15 NO



Article 4 of AP30/30A Special Sections published on				Article 2A of AP30/30A Special Sections published on			
2016		2017		2016		2017	
Reg. 1&3	Reg. 2	Reg. 1&3	Reg. 2	Reg. 1&3	Reg. 2	Reg. 1&3	Reg. 2
YES	YES	NO	NO	YES	YES	NO	NO
NO	NO	NO	YES	NO	NO	NO	YES





How to identify if my Administration is identified as potentially affected?



Navigating in the DVD-BR IFIC

Using BR-SIS SpaceQry

Examining the SPS_ALL or 30B databases





How to identify if my Administration is identified as potentially affected?



Navigating in the DVD-BR IFIC

Main steps:

- a. Insert  in the user's computer
- b. Click on BR IFIC Publications
- c. Click on Special Sections / AP30*
- d. Open each AP30/E, AP30A/E, AP30-30A/E (Part A), AP30-30A/F/C or AP30B/A6A **Special Section (PDF format)** 
- e. Use the Adobe Acrobat “Find” tool to search for the 3 digits abbreviation of the subject administration
- f. Note the name of the **affecting network** and the **provision number**



How to identify if my Administration is identified as potentially affected?



Navigating in the DVD-BR IFIC

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

1 **BR IFIC Publications** Special Sections Parts I-S, II-S, III-S Administrations

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

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

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

S

2

BR IFIC PUBLICATIONS – TABLE OF CONTENTS

Print: AP30B/A6A
 Print Table of Contents

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.				
AP30B/A6A/220		S		SIRIUS-30B-5E-5	5		112559007

3

Search Exit

عربي English 中文 Español Français Русский



How to identify if my Administration is identified as potentially affected?



Navigating in the DVD-BR IFIC

AP 30B-A6a0220.pdf - Adobe Reader

Fichier Edition Affichage Fenêtre Aide

1 / 100 58.2%

Outils Commentaire

SUI

4

UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES
OFICINA DE RADIOCOMUNICACIONES

RESEAU À SATELLITE
SATELLITE NETWORK
RED DE SATELITE

SIRIUS-30B-5E-5

SECTION SPÉCIALE N°
SPECIAL SECTION No.
SECCIÓN ESPECIAL N.º

AP30B/A6A/220

ADM. RESPONSABLE
RESPONSABLE ADM.
ADM. RESPONSABLE

S

LONGITUDE NOMINALE
NOMINAL LONGITUDE
LONGITUD NOMINAL

5 E

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

112559007

RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL

23.01.2012

Coordinations	Notifying adm.	Inter. sat. org.	Status of identified network	A1b Plan beam identification	Id. no.	Orbital long.	Max. degradation
App.30B, Art.6, § 6.5 - Annexe 4 App.30B, Art.6, § 6.5 - Annex 4 Ap.30B, Art.6, § 6.5 - Anexo 4 附录30B, 第6条, 第6.5段- 附件4 Пр. 30B, Ст. 6, п. 6.5 - Дополнение 4 التذييل 5.6 - المادة 6, 30B، الفقرة 6.5 - الملحق 4							
52.1 (6/4 GHz)	ALB		Allotment	ALB00000	90558006	4.13 E	15.705
	CME		Allotment	CME00000	90558053	7.98 E	8.014
	CTI	RAS	List	RASCOM-1F	103559025	2.9 E	7.842
			List	RASCOM-2F	102559002	2.9 E	4.842
	CYP		Allotment	CYP00000	90558062	0.5 E	2.450
	NOR		Allotment	NOR00000	90558154	0.8 W	4.270
	SUI		Allotment	SUI00000	90558192	9.45 E	4.393
TUN		Allotment	TUN00000	90558202	5.74 E	15.220	
TUR		Allotment	TUR00000	90558203	8.5 E	6.332	
52.1 (11/10-11 GHz)	ATR		Allotment	ATR00000	90558006	4.13 E	15.018

5

Commentaire

s de satellite afectadas
أو الشب



Commenting on Article 6 of AP30B notices



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

A5 Coordinations	A1f1 Notifying adm.	A1f3 Inter. sat. org.	BR80 Status of identified network	A1a Sat. Network / A1b Plan beam identification	BR6a Id. no.	A4a Orbital long.	BR79 Elevation
App.30B, Art.6, § 6.5 - Annexe 4 App.30B, Art.6, § 6.5 - Anexo 4 Приложение 4 к Пр. 30В, Ст. 6, п. 6.5 - Дополнение 4 التذييل 30B، المادة 6، الفقرة 6.5 الملحق 4							
Néant / None / Ninguna / 无 / Нет / يوجد لا							
§2.1 (13/10-11 GHz)	ARS	ARB	Pending	ARABSAT-AXB39E	113559028	39 E	6.519
	CYP		Pending	KYPROS-SAT-3	110559018	39 E	34.241
			Pending	KYPROS-SAT-6	115559040	39 E	34.254
			List	EXPRESS-4P	111559026	40 E	16.121
			Allotment	UKR00001	115558001	38.2 E	15.765
§2.2 (6/4 GHz)							
§2.2 (13/10-11 GHz)	ARS	ARB	Pendi				
	CYP		Pendi				

Administrations whose:

- Allotments in the Plan; or
- Assignments in the List; or
- Assignments of previously examined networks, submitted under §6.1 of AP30B,

are considered as being affected by any assignment of a new notice

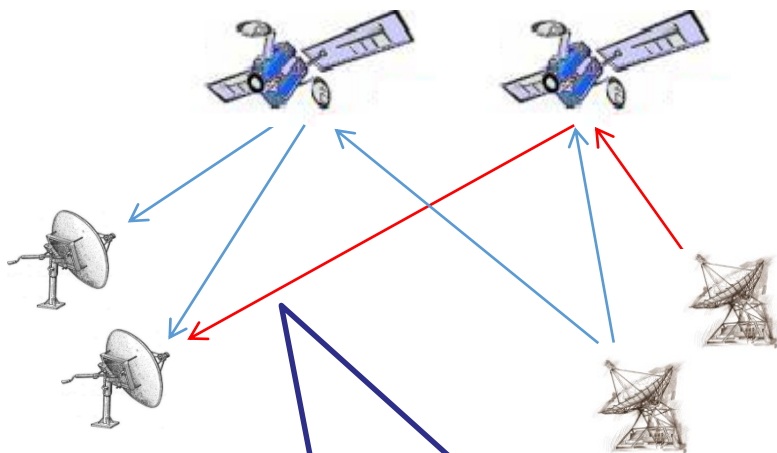
List of administrations whose agreements are required (any administration whose territory is partially or wholly included in the intended service area of the subject network)

Liste des administrations dont l'accord est requis au titre du § 6.6
 List of Administrations whose agreements are required under § 6.6
 Lista de las Administraciones cuyo acuerdo se necesita al título del § 6.6

根据第6.6款需要征得其同意的主管部门的列表
 Список администраций, согласие которых требуется в соответствии с п. 6.6
 قائمة الإدارات المطلوب الحصول على موافقتها بموجب الفقرة 6.6

Division	11C2 Agreement symbol	A1f1 Notifying adm. / BR5 Geographical area
30B#6.6	R	BLR, CZE, D, DNK, DNK/FRO, EST, FIN, G, HOL, LTU, LVA, NOR, POL, RUS, S, UKR
30B#6.6	O	Néant / None / Ninguna / 无 / Нет / يوجد لا

Affected administrations (under §6.5 of AP30B)

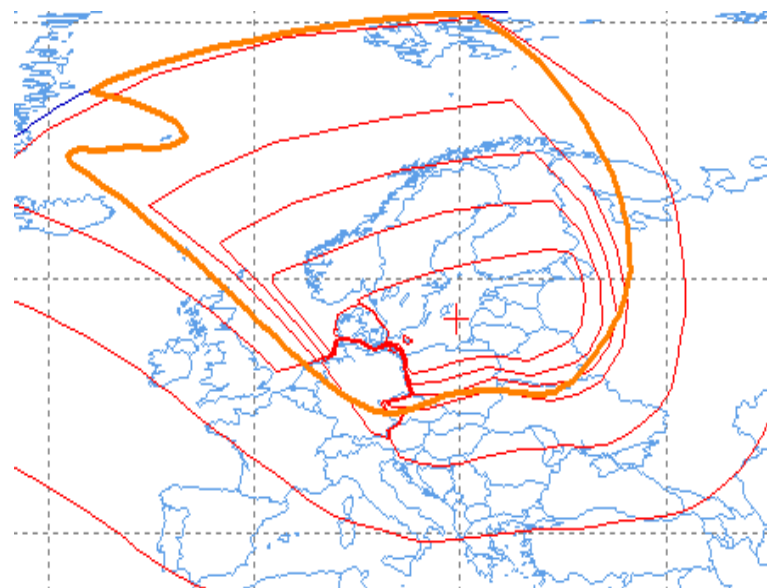


- **Your Allotments in the Plan; or**
- **Your Assignments in the List; or**
- **Your Assignments of previously examined networks, submitted under §6.1 of AP30B**

Remarks:

- Commenting period = 4 months + 30 days in the case of assistance under §§ 6.13 – 6.15;
- Criteria contains in the Annex 4 to AP30B

List of administrations whose agreements are required (under §6.6 of AP30B)



Remarks:

- No deadline for comments;
- No triggers / coordination limits;
- At any time you may request to be excluded from the SA of subject network (§ 6.16 of AP30B)



Conclusion: Application of §6.16 of AP30B can not guaranty protection of your Allotments in the Plan; or Assignments in the List; or Assignments of previously examined networks



How to identify if my Administration is identified as potentially affected?



Navigating in the DVD-BR IFIC

Using BR-SIS SpaceQry

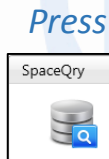
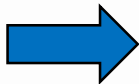
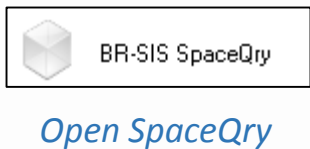
Examining the SPS_ALL or 30B databases



How to identify if my Administration is identified as potentially affected?



Using BR-SIS SpaceQry



Space Information System (SNS v8)

Select a task:

- SpaceQry
 - Version: 8.0.0.0
 - Description: Query SNS formatted databases
 - Contact: brsas@itu.int
- SRS convert

Select a database:

- Microsoft Access
- BR IFIC DVD

C:\BR IFIC\SPS_ALL_IFIC2834.mdb

1 **2** **3**

Start **Quit**

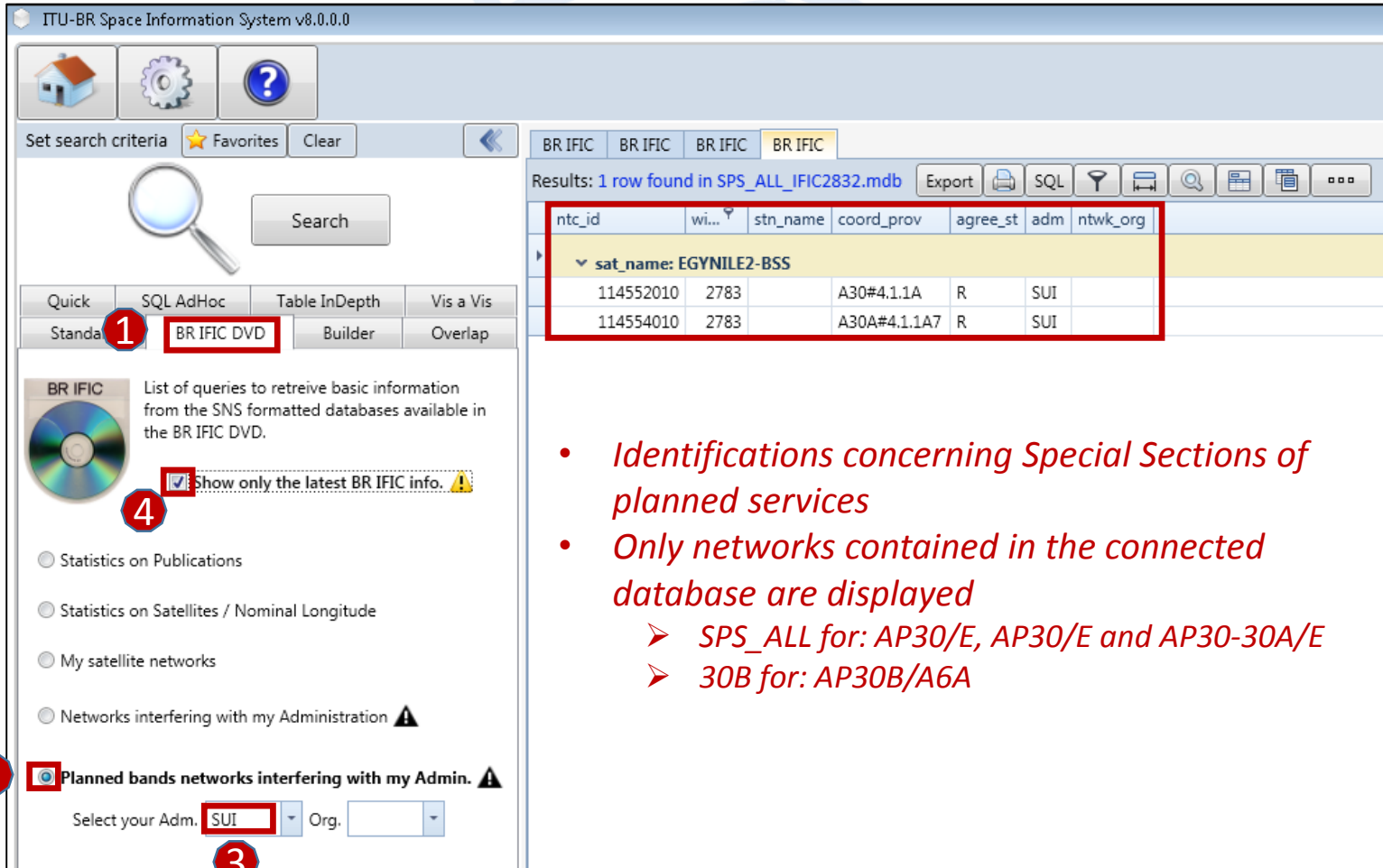
Selected task: SpaceQry

Selected database: C:\BR IFIC\SPS_ALL_IFI

devega

How to identify if my Administration is identified as potentially affected?

Using BR-SIS SpaceQry



The screenshot shows the ITU-BR Space Information System v8.0.0.0 interface. The search criteria are set to 'BR IFIC'. The results table shows the following data:

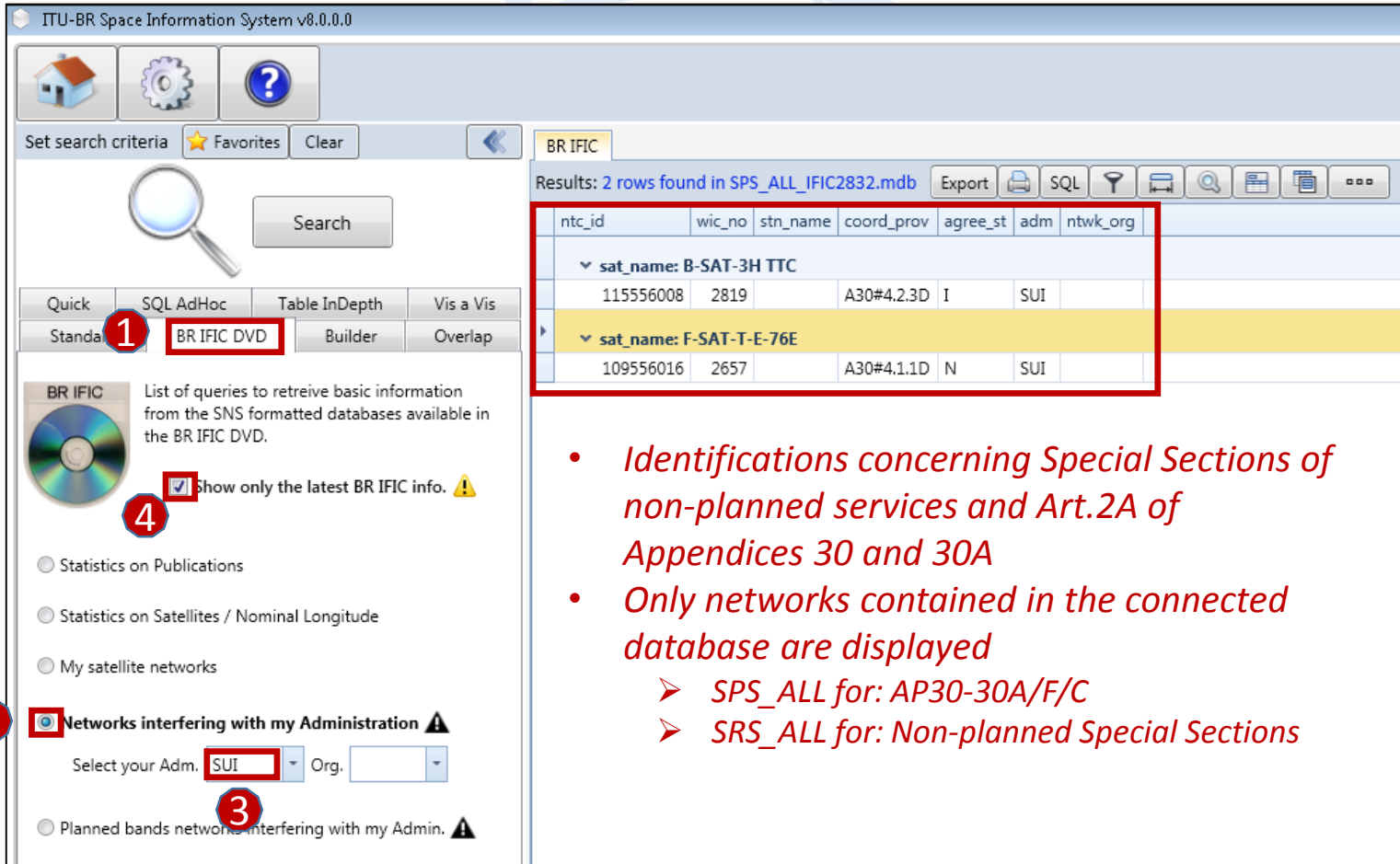
ntc_id	wi...	stn_name	coord_prov	agree_st	adm	ntwk_org
▼ sat_name: EGYNILE2-BSS						
114552010	2783		A30#4.1.1A	R	SUI	
114554010	2783		A30A#4.1.1A7	R	SUI	

Annotations in the screenshot include:

- 1: BR IFIC DVD
- 2: Planned bands networks interfering with my Admin. ⚠
- 3: SUI
- 4: Show only the latest BR IFIC info. ⚠

- *Identifications concerning Special Sections of planned services*
- *Only networks contained in the connected database are displayed*
 - *SPS_ALL for: AP30/E, AP30/E and AP30-30A/E*
 - *30B for: AP30B/A6A*

Using BR-SIS SpaceQry



The screenshot shows the ITU-BR Space Information System v8.0.0.0 interface. The search criteria are set to 'BR IFIC'. The results table shows two rows found in SPS_ALL_IFIC2832.mdb:

ntc_id	wic_no	stn_name	coord_prov	agree_st	adm	ntwk_org
▼ sat_name: B-SAT-3H TTC						
115556008	2819		A30#4.2.3D	I	SUI	
▼ sat_name: F-SAT-T-E-76E						
109556016	2657		A30#4.1.1D	N	SUI	

Annotations on the screenshot:

- 1: BR IFIC DVD (selected in the search criteria)
- 2: Networks interfering with my Administration (selected in the left sidebar)
- 3: SUI (selected in the Admin dropdown)
- 4: Show only the latest BR IFIC info. (checked)

- *Identifications concerning Special Sections of non-planned services and Art.2A of Appendices 30 and 30A*
- *Only networks contained in the connected database are displayed*
 - *SPS_ALL for: AP30-30A/F/C*
 - *SRS_ALL for: Non-planned Special Sections*



How to identify if my Administration is identified as potentially affected?



Navigating in the DVD-BR IFIC

Using BR-SIS SpaceQry

Examining the SPS_ALL or 30B databases



How to identify if my Administration is identified as potentially affected?



Examining the SPS_ALL or 30B databases

For Art.4 of Appendices 30 and 30A:

- AP30/E
- AP30A/E
- AP30-30A/E



\Databases\AP30_30A

Name	Type
TEX_Results	File folder
readme.txt	Text Document
SpPlans_A.pdf	Adobe Acrobat D...
SpPlans_C.pdf	Adobe Acrobat D...
SpPlans_E.pdf	Adobe Acrobat D...
SpPlans_F.pdf	Adobe Acrobat D...
SpPlans_R.pdf	Adobe Acrobat D...
SpPlans_S.pdf	Adobe Acrobat D...
SPS_ALL_IFIC2832.mdb	Microsoft Access ...

Provision

Number of BR IFIC where the incoming satellite network was published

adm

ntc_id	coord_prov	agree_st	wic_no	seq_no	coord_st	adm	ntwk_org	ctry
113552016	A30#4.1.1D	N	2751	50		SUI		
113552030	A30#4.1.1A	R	2762	22		SUI		
113554030	A30#4.1.1A7	R	2762	6		SUI		
113555004	A30#4.2.3D	R	2757	60		SUI		
114552002	A30#4.1.1D	N	2769	46		SUI		
114552004	A30#4.1.1D	N	2770	31		SUI		
114552008	A30#4.1.1D	N	2778	44		SUI		
114552010	A30#4.1.1A	R	2783	21		SUI		
114552020	A30#4.1.1A	R	2791	14		SUI		
114554010	A30#4.1.1A7	R	2783	8		SUI		
115554019	A30#4.1.1A	I	2819	20		SUI		
115554019	A30#4.1.1A7	I	2819	5		SUI		

Notice of the incoming satellite network

Coordination status (see preface)

Potentially affected administration

adm

ntc_id	coord_prov	agree_st	aff_ntc_id	adm	ntwk_org	ctry	sat_name	long_nom	ntf_rsn	coord_st	st_aff	f_cause	f_rec
113555004	A30#4.2.3A	I	100550190	SUI			SVK14401	-12.8 B			50		R
113555004	A30#4.2.3A	I	100550191	SUI			SVK14402	-12.8 B			50		R

Notice of the incoming satellite network

Notice of the existing satellite network

Potentially affected network



How to identify if my Administration is identified as potentially affected?



Examining the SPS_ALL or 30B databases

For Art.2A of Appendices 30 and 30A:

➤ AP30-30/A/F/C

\Databases\AP30_30A

Name	Type
TEX_Results	File folder
readme.txt	Text Document
SpPlans_A.pdf	Adobe Acrobat D...
SpPlans_C.pdf	Adobe Acrobat D...
SpPlans_E.pdf	Adobe Acrobat D...
SpPlans_F.pdf	Adobe Acrobat D...
SpPlans_R.pdf	Adobe Acrobat D...
SpPlans_S.pdf	Adobe Acrobat D...
SPS_ALL_IFIC2832.mdb	Microsoft Access ...

Provision

1

2

grp_id	coord_prov	agree_st	seq_no	coord_st	adm	ntwk_org	ctry
1016638	A30#4.2.3D	I	97	SUI			
1016639	A30#4.2.3D	I	97	SUI			
1016640	A30#4.2.3D	I	97	SUI			
1016641	A30#4.2.3D	I	97	SUI			

Coordination status (see preface)

Potentially affected administration

SPS_ALL_IFICXXXX.MDB

3

4

5

6

grp_id	ntc_id	emi_rcp	beam_name	sr_type	page_no	act_code	adm_resp	bdwdth
1016638	115556008	E	GBLRHIG				A	
1016639	115556008	E	GBLRHIG				A	
1016640	115556008	E	GBLRHIG				A	
1016641	115556008	E	GBLRHIG				A	

7

8

ntc_id	sat_name	long_nom	tol_east	tol_west	inclin_exc	f_active
115556008	B-SAT-3H TTC	-64.2	0.05	0.05	0.05	A

Notice of the incoming satellite network

Name of the incoming satellite network



How to identify if my Administration is identified as potentially affected?



Examining the SPS_ALL or 30B databases

For Art.6 of Appendix 30B:

➤ AP30B/A6A

\Databases\AP30B

Name	Type
TEX_Results	File folder
30B_2833.mdb	Microsoft Access ...
SpPlans_A.pdf	Adobe Acrobat D...
SpPlans_C.pdf	Adobe Acrobat D...
SpPlans_E.pdf	Adobe Acrobat D...
SpPlans_F.pdf	Adobe Acrobat D...
SpPlans_R.pdf	Adobe Acrobat D...
SpPlans_S.pdf	Adobe Acrobat D...



Provision

Number of BR IFIC where the incoming satellite network was published

1

2

ntc_id	coord_prov	agree_st	wic_no	seq_no	coord_st	tr_provn	adm	ntwk_org	ctry
113559019	30B#6.6	R	2756	93	SUI				
113559024	30B#6.6	R	2757	147	SUI				
113559027	30B#6.6	R	2760	138	SUI				
113559028	30B#6.6	R	2760	109	SUI				
113559030	30B#6.5A1_2	I	2760	2	SUI				
113559030	30B#6.5A2_2	I	2760	5	SUI				
113559030	30B#6.5A3_2	I	2760	7	SUI				
113559030	30B#6.6	R	2760	152	SUI				
113559032	30B#6.6	R	2760	39	SUI				
113559047	30B#6.6	R	2764	159	SUI				

Notice of the incoming satellite network

Coordination status (see preface)

Potentially affected administration

4

3

ntc_id	coord_prov	agree_st	aff_ntc_id	adm	ntwk_org	sat_name	long_nom	ntf_rsn	coord_st	st_aff	f_cause	f_rec
109559009	30B#6.5A2_1	I	90558192	SUI	SUI00000	SUI00000	9.45	P	50			R
109559009	30B#6.5A3_2	I	90558192	SUI	SUI00000	SUI00000	9.45	P	50			R
110559007	30B#6.5A1_1	I	90558192	SUI	SUI00000	SUI00000	9.45	P	50			R
110559007	30B#6.5A2_1	I	90558192	SUI	SUI00000	SUI00000	9.45	P	50			R

Record: 1 of 40

Filtered Search

Notice of the incoming satellite network

Notice of the existing satellite network

Potentially affected network



Web links for further information



SpaceCom software:

<http://www.itu.int/en/ITU-R/software/Pages/spacecom.aspx>

BR-SIS SpaceQry software:

<http://www.itu.int/en/ITU-R/software/Pages/brsis.aspx>

BR IFIC:

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

SPS/30B databases:

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

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



Thank you for your attention!



Any question?

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