International Telecommunication Union

WORLD RADIOCOMMUNICATION SEMINAR 2012

GENEVA, 3-7 DECEMBER 2012

www.itu.int/ITU-R/go/WRS-12



Commenting with SpaceCom software

Workshop on Space Plan services

Presented by SSD Space Notification and Plans Division





An application



to assist Administrations

in the management of their objections (comments)

For Planned services: under § 4.1.9 or 4.2.13 of Article 4 of Appendices 30 and 30A

Commenting on AP30* Special Sections











or

http://www.itu.int/ITU-R/go/space-software-capture-systemfor-comments-on-special-sections/en



Installation of SpaceCom DEMO

For demonstration or trying/testing

please run SpaceComDemo.exe



\geq	Lau
A	SpaceCom
9	Demo Start

http://www.itu.int/ITU-R/go/space-software-capture-system-forcomments-on-special-sections/en

Or Copy SpaceComDemo.exe in C:\BR_SOFT\SpaceCom_v7\





Exercise I: the affected Administration captures its comments on a BR IFIC

Exercise II: the notifying Administration validates the draft list of potentially affected administrations



Exercise I: the affected Administration captures its comments on BR IFIC 2721







- Open SpaceCom demo software / click "Ap30*/E Part A"
- Select the Administration code: "VEN"
- Select "Potentially Affected Administration (Comment a Part A)"

In "Comment":

- Input Part A BR IFIC number / connect to the BR IFIC database from Exercise I folder: SPS_ALL_IFIC2721.mdb Note: for real cases, the SPS database is posted in a BR IFIC DVD ROM
- Note: for real cases, the SPS database is posted in a DK IFIC DVD KOR
- Click "Get list of Part A" / select "B-SAT-3A-2" satellite network
- Click "Comment Part A..."

Your analysis of the published satellite network identified same unacceptable interference caused on your networks under: A30#4.2.2C and A30A#4.2.3C

• Input your comments accordingly and check "comments completed" when finished

In "Validate/Send":

• Enter BR IFIC no. / Browse Comments file location / Click "File validation" C:\SpaceCom_Comments_Demo\Plan_comments\IFIC2721\AffADM\PLAN-IFIC2721_VEN.mdb

Your comments file is ready and *could* be sent to the Bureau!





Solution

User status: Affected Administration ; User code: VEN BR IFIC: 2721

Report on the status of all your comments. (Paper version is not receivable by BR, please submit .mdb file only)

AP30-30A/E589; B; B-SAT-3A-2; (orb. pos.:-44.9)

Provision	Disagreement to the proposed assignments	Agreement to the proposed assignments	Wants to be Added	COMMENTS COMPLETED
A30#4.2.3C	VEN			
A30A#4.2.2C	VEN			

Explanation Step by step of this exercise in annex below

Possible comments



- Agreement to the proposed assignments
- Disagreement to the proposed assignments
- Wants to be added: addition under A30/30A#4.1.7

An Administration which considers that it should have been identified shall request the Bureau to include its name in the publication →giving the technical reasons for so doing

 RR23.13 B/C: reduction of radiation over the territory of other administrations

Request to exclude a territory from the coverage/service area



Exercise II: the notifying Administration validates the draft list of potentially affected administrations





Exercise II: you are the Administration of <u>Brazil</u> (code "B") Validating the draft list of valid comments of your satellite network <u>B-SAT-3A-2</u> published in <u>AP30-30A/E/589 Part A</u> Special Section in <u>BR IFIC 2721 / 12.06.2012</u> before publication of the AP30-30A/E/589 Part D Special Section



- Open SpaceCom demo software / click "AP30*/E Part A"
- Select the Administration code: "B"
- Select "Notifying Administration (Confirms a draft Part D sent by the BR)"

In "Draft Wizard":

 1. Connect to the draft database in Exercise II folder and press OK: PLAN-IFIC2721_BR_AP3030AE589.mdb

Note: for real cases, the draft file is posted in a BR IFIC DVD ROM and location is indicated in a Bureau's telefax to the notifying Administration

- 2. Satellite network appears with "Comment completion"
- 3. Click "View" / select <u>B-SAT-3A-2</u> satellite network / Click "Validate..."

You have received same comments as the Bureau from the Administrations of "ALG", "CHN", "VEN" within the four-month period. Agreement was received from Administration of "CAN" not copied to BR.

Input your validation and check "comments completed" when finished.

In "Send to BR":

• Enter BR IFIC no. / Browse Validation file location / Click "File validation"

Your validation is ready and *could* be sent to the Bureau for AP30-30A/E/589 Part D publication! C:\SpaceCom_Comments_Demo\Plan_comments\IFIC2721\NotADM\Draft\ PLAN-IFIC2721_NOT_AP3030AE589.mdb





Solution

Report on validation done by the notifying Administration B on draft SpaceCom database

DIVITIO, 2721	, opecial Section	. Al 30-30A/E/303 , Adm./	TILVVIC C	лу D , бас нем		
Provision	Examined notice	To be protected	Link	Identified by BR or	Administration comments	Receivability
				added by Aff.		ofthe
				Adm.		comments
A30#4.2.3C	Planned BSS	Planned BSS (PLAN or Art.4)	DN	ALG	a3) disagreement to the proposed assignments	True
				CHN	a3) disagreement to the proposed assignments	True
				VEN	a3) disagreement to the proposed assignments	True
				CAN	c1) agreement through Notif. Adm.	False
A30A#4.2.2C	Planned feeder	Planned feeder link in FSS	UP	ALG	a3) disagreement to the proposed assignments	True
	link in FSS	(PLAN or Art.4)				
				CHN	a3) disagreement to the proposed assignments	True
				VEN	a3) disagreement to the proposed assignments	True
				CAN	c1) agreement through Notif. Adm.	False

BR IFIC: 2721 ; Special Section: AP30-30A/E/589 ; Adm./ntwk org.: B ; Sat. ntwk: B-SAT-3A-2 ; Orb. pos.: -44.90 ;

Explanation Step by step of this exercise in annex below













Merge in-house users

Merge operators

Reports

Definition of default path

Automatic Web update



SpaceCom transition v6 to v7

Comments on Special Sections published from BR IFIC 2727 to BR IFIC 2734:

• Until end of December 2012 :

Using SpaceCom V6 with published SPS_all_ificxxxx.mdb V6

• Between January 2013 and April 2013:

Using SpaceCom V7 with published SPS_all_ificxxxx.mdb V6 Converted with SRSConvert software into SPS_all_ificxxxx.mdb V7

Comments on Special Sections published as from BR IFIC 2735:

Using SpaceCom V7 with published SPS_all_ificxxxx.mdb V7

A USER MANUAL is distributed with the software package

http://www.itu.int/ITU-R/go/space-software-capture-system-forcomments-on-special-sections/en

> Contact SpaceCom: BR_SpaceCom_support@itu.int



Annex Exercise I explanation step by step the affected Administration captures its comments on a BR IFIC

 Copy from Exercise I folder: SPS_ALL_IFIC2721.mdb to your local drive. For example: C:/BR IFIC/SPS_ALL_IFIC2721.mdb

Note: for real cases, the SPS database is posted in a BR IFIC DVD ROM



Run SpaceComDemo.exe















💐 SpaceCom v	1. Input BR IFIC no and select SPS database
<u>File O</u> ptions <u>H</u> e	containing the AP30* Part A data
Aff. ADM	Potentially affected Adm.'s comments under §4.1.7/4.2
	1. Input information to get a list of Part A to comment
Comment	BR IFIC No. / Date (1) 2721 / 12.06.2017 Expiry date for decision 12.10.2012
	SPS_ALL BR IFIC C:\BRIFIC\SPS_ALL_IFIC2721.mdb
Import	Administration code / network org. VEN / 2 completed vet
	Comments file location
Validate/Send	Get list of Part A
	2. Select a Part A to comment and click 'Comment Part A'
View draft	Notice id. Special section Rev. No. Adm. Org. Satellite network Orb.Pos. Identified Comments Comments last update
	▶ 112555001 AP30-30A/E/589 B B-SAT-3A-2 -44.90 VEN ¥
	3. Select the Special Section to comment 4 Your comments in the current BR IFIC are not valid please theck all Part A's as completed
Not. ADM ITU BR	Comment Part A 🕨

.	-							
SpaceCom v/	1							
File Options Help	P							
Aff. ADM	Potentially affect	ted Adm.'s co	mments under §	4.1.	7/ 4.2.10 or §4	4.1.9/4.2	.13 of Art. 4 of AP30/30A	3
(i) 👘	Part A Special Section	on information						
	Notice Id Spe	ecial Section	Adm /ntwk_ord	ı Sal	tellite network		Oth pos	
Comment	112555001 AP	30-304 /F /589	B	, ou	SAT-36-2		-44 90 07 11 2012	1×.
	J112333001 JA	50 50A/E/505	0	Ju Ju	541 542		07.11.2012	
s \min 👘 👘								
Import	1. Enter your comm	ents by checkin	ng or unchecking t	he re	levant check t	ox in colu	umn 'Confirm/Add/Remove' before sendi	ng them. 🥳
Import	If you uncheck the	detault, you ag	ree to the propose	d ass	ignments unde	r the rele	vant provision.	-
	Provision	Evamined notice	To be protected	Link	Identified by BR	Agree /	Administration comments	Bemarks
	1 TOWISION	Examined houce	TO BE PROJECTED		affected Adm.	/ Add	Administration comments	ricindika
Validate/Send								
	▶ 23.13B	Planned BSS	Territory		×		< *Check to add aff. Adm.	
	23.13C	Planned BSS	Territory		x		< *Check to add aff. Adm.	
	A30#4.2.3A	Planned BSS	Planned BSS (PLA	DN	Ξ		< *Check to add aff. Adm.	
View draft	A30#4.2.3B	Planned BSS	Planned BSS (Art	DN	Ξ		< *Check to add aff. Adm.	
	A30#4.2.3C	Planned BSS	Planned BSS (PLA	DN	VEN		a3) disagreement to the proposed assignments	
	A30#4.2.3D	Planned BSS	Terrestrial		x		< *Check to add aff. Adm.	
	A30#4.2.3E6	Planned BSS	Non planned FSS	DN	×		< *Check to add aff. Adm.	
	A30#4.2.3E7	Planned BSS	Non planned FSS	UP	Ξ		< *Check to add aff. Adm.	
	A30#4.2.3F	Planned BSS	Non planned BSS	DN	Ξ		< *Check to add aff. Adm.	
	A30A#4.1.1D	Planned feeder	Feeder link in SOF	UP	×		< *Check to add aff. Adm.	
	A30A#4.2.2A	Planned feeder	Planned feeder lin	UP	×		< *Check to add aff. Adm.	
	A30A#4.2.2B	Planned feeder	Planned feeder lin	UP	×		< *Check to add aff. Adm.	
	A30A#4.2.2C	Planned feeder	Planned feeder lin	UP	VEN		a3) disagreement to the proposed assignments	
	1	- Input y	our comm ☑ Ch □ Ur	ent nec nch	s on the k if disag eck if ag	prop green greem	osed assignments: nent nent	
Not. ADM ITU BR	2. Click 'Check Comm	ients completed' wh art A	nen you have finished	with a iave	Il your entries on a	all provision: k Commen	ats completed	🍓 Create report

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💐 SpaceCom v	7	
File Options He	lp	
Aff. ADM	Potentially affected Adm.'s comments under §4.1.7/4.2.10 or §4.1	1.9/4.2.13 of Art. 4 of AP30/30A
1	1. Input information to get a list of Part A to comment	
Comment	BR IFIC No. / Date (i) 2721 / 12.06.2012 Expiry date for decision 12	.10.2012
🥠	SPS_ALL BR IFIC C:\BRIFIC\SPS_ALL_IFIC2721.mdb	
Import	Administration code / network org. VEN /	
-	Comments file location C:\SpaceCom_Comments\PLAN_comments\IFIC2721\Af	ffADM\PLAN-IFIC2721_VEN.mdb
		Auto
Validate/Send	Get list of Part A	
	2. Select a Part A to comment and click 'Comment Part A'	
View draft	Notice id. Special section Rev. No. Adm. Org. Satellite network	Orb.Pos. Identified by BR Comments Comments last update
	▶ 112555001 AP30-30A/E/589 B B-SAT-3A-2	-44.90 VEN 🔮 07.11.2012 10:07:21
		Comments are
		completed when only
		green checks
		in the column
Not. ADM	Comment P	Part A 🕨
ITU BR		
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SAMPLE of Report in case of comments are: <u>disagreement to the proposed assignments</u>



User status: Affected Administration ; User code: VEN BR IFIC: 2721

Report on the status of all your comments. (Paper version is not receivable by BR, please submit .mdb file only)

AP30-30A/E589; B; B-SAT-3A-2; (orb. pos.:-44.9)

Provision	Disagreement to the proposed assignments	Agreement to the proposed assignments	Wants to be Added	COMMENTS COMPLETED
A30#4.2.3C	VEN			
A30A#4.2.2C	VEN			



After 4 months of commenting period, BR is merging all comments received from affected administrations





A SpaceCom draft database is posted in a BR IFIC for the validation of the notifying Administration and control of the affected Administration with the SpaceCom viewer







NOTE: This is an example. BR IFIC - Version 7 available as from January 2013 !

List of SpaceCom DRAFT databases files for AP30*/E Part D Special Sections



The Bureau requests notifying administrations responsible for the satellite networks listed below to kindly inform it of any additional comments under provisions § 4.1.1 a) to e) and 4.2.3 a) to f) of Appendix **30** and under provisions § 4.1.1 a) to d) and 4.2.2 a) to c) of Appendix **30A** received from potentially affected administrations, by updating accordingly the SpaceCom database using the SpaceCom software application and return it to the Bureau by electronic mail (<u>brmail@itu.int</u>).

The information contained in the SpaceCom draft databases may be viewed by using the 'Viewer' module of the SpaceCom software package.

For more information see Circular Letters CR/185 of 20 December 2002, CR/193 of 23 May 2003 and CR/269 of 27 March 2007.

	1	
Open the list of SpaceCom files		

BR IFIC 2725 / 07.08.2012

DVD-ROM\Databases\SpaceCom\draft_AP30D

ADM	Sat_name	Comments on Special Section Reference	Mod	BR IFIC no / Date	SpaceCom_database File name
В	B-SAT-3A-2	AP30-30A/E/589 Part A		2721 / 12.06.2012	PLAN-IFIC2721_BR_AP3030A589.mdb

2. The draft SpaceCom of B-SAT-3A-2 satellite network *could be* available for validation by the notifying Administration in the BR IFIC 2725 DVD ROM. This is only an example for the exercise.

Annex Exercise II explanation step by step the notifying Administration validates the draft list of potentially affected administrations

I. Copy from Exercise II folder PLAN-IFIC2721_BR_AP3030AE589.mdb

Note: for real cases, the draft file is posted in a BR IFIC DVD ROM and location is indicated in a Bureau's telefax to the notifying Administration

to your local drive as for example C:/BRIFIC/PLAN-IFIC2721_BR_AP3030AE589.mdb

DEMO

II. Run SpaceComDemo.exe

















💐 SpaceCom v7 File Options Help Aff. ADM Draft database file Wizard 8 Not. ADM 3 Draft AP30* Part D Draft Wizard BR IFIC 2710 Select a drive where is located the BR IFIC DVD-Rom and click "OK" 1 🖃 c: -OK -Send to BR No OR 1 Select a folder where are located the draft mdb files (coming from the BR IFIC DVD-Rom) and click "OK" OK] C:\BRIFIC Select a network 2 Comment BR IFIC Adm Sat. Network Special Section Completion 2721 B-SAT-3A-2 AP30-30A/E/589 В X 2 Select the action you wish to perform on the network: B-SAT-3A-2 3 For All Adm. For Notifying Adm. ONLY View To view a draft Validate To validate a draft 3 ITU BR

🔮 SpaceCom 🗤	7							<u> - </u>
File Options He	elp							
Aff. ADM	Dr	aft databa	se file Wizard					<u> </u>
Not. ADM	L E P	art A Special S	Section information					
		otion Id	Canadial Caratian	Adro Johnski org	- Catallita natur		Comm	ients NOT
	L R						Comp	leted
Draft Wizard		1200001	AP30-30A7E7383	JD	JB-5AT-3A-2	2	-44.50	
>	1. E	inter your deci	ision on receivability					
Send to BR		Provision	Examined notice	To be protected	Identified by BR or added by affected Adm.	Complete comments	Administration comments	Remarks
	∣┣	A30#4.2.3C	Planned BSS	Planned BSS (PLA	ALG	N	a3) disagreement to the proposed assignmen	ts
]	Planned BSS	Planned BSS (PLA	CHN		a3) disagreement to the proposed assignmen	ts
			Planned BSS	Planned BSS (PLA	VEN		a3) disagreement to the proposed assignment	ts
			Planned BSS	Planned BSS (PLA	CAN		c2) no agreement to be obtained	
		A30A#4.2.20	C Planned feeder	Planned feeder lin	ALG		a3) disagreement to the proposed assignmen	ts
			Planned feeder	Planned feeder lin	CHN		a3) disagreement to the proposed assignment	
			Planned feeder	Planned feeder lin	VEN		a3) disagreement to the proposed assignment	
			Planned feeder	Planned feeder lin	LAN		c2) no agreement to be obtained	
			Nor the	e BR and the notifuie	anon rec	ceived comme	ents from the administration identified by the BR	as potentially affected
		1	control of	commen	te		Select appropriate comment	
							C Disagreement through Notif. Adm.	
		re	eceived by	BR and	by			
		۸dm	inistratio	rochone			Agreement through Notif. Adm.	
		Aun	iiiii5ii alioi	respons			O No agreement to be obtained	
			Add agr	reement			OK	1
								_
			received 1	rom CAN				
	2.0	Click 'Check V	alidation completed' whe	en you estimate havinj	g finished with you	ur inputs		
			1.00.00					
		Select a new	draft Part D		iave 🚺	Check Valio	lation completed	Create report
ITU BR								

😂 SpaceCom v	v7							_>	
File Options He	lelp								
Aff. ADM Not. ADM	Draft databa	ase file Wizard Section information				3	Commente		
Draft Wizard	Notice Id. 112555001	Special Section AP30-30A/E/589	Adm./ntwk. org.	Satellite network B-SAT-3A-2	Orb. pos.	_	07.11.2012		

1. Enter your decision on receivability

Provision	Examined notice	To be protected	Identified by BR or added by affected Adm.	Complete comments	Administration comments	Remarks
A30#4.2.3C	Planned BSS	Planned BSS (PLA	ALG	•	a3) disagreement to the proposed assignments	
1	Planned BSS	Planned BSS (PLA	CHN		a3) disagreement to the proposed assignments	
1	Planned BSS	Planned BSS (PLA	VEN		a3) disagreement to the proposed assignments	
1	Planned BSS	Planned BSS (PLA	CAN		c1) agreement through Notif. Adm.	
A30A#4.2.2C	Planned feeder	Planned feeder lin	ALG		a3) disagreement to the proposed assignments	
]	Planned feeder	Planned feeder lin	CHN		a3) disagreement to the proposed assignments	
]	Planned feeder	Planned feeder lin	VEN		a3) disagreement to the proposed assignments	
1	Planned feeder	Planned feeder lin	CAN		c1) agreement through Notif. Adm.	
Click 'Check Valid	lation completed' whe	en you estimate having	g finished with you	ır inputs	2	

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ITU BR

Send to BR

💐 SpaceCom v7 File Options Help Aff, ADM ۲ Draft database file Wizard Not. ADM 10 . Draft AP30* Part D 90 Draft Wizard **BR IFIC 2710** 0.01.2012 Select a drive where is located the BR IFIC DVD-Rom and click "OK" 1 🗐 c: (ÖK) -Send to BR OR DVD Select a folder where are located the draft mdb files (coming from the BR IFIC DVD-Rom) and click "DK" 0K नि C:\BRIFIC Select a network 2 0 Comment BR IFIC Adm Special Section Sat. Network Completion 2721 B-SAT-3A-2 AP30-30A/E/589 B Select the action you wish to perform on the network: B-SAT-3A-2 3 -For All Adm. For Notifying Adm. ONLY To validate a draft View Validate To view a draft ITU BR

😻 SpaceCom	v7			<u></u>				
File Options Help								
Aff. ADM Not. ADM	Send draft Part D va BR IFIC No. / Date	lidated database to BR	2. Input the BR IFIC no in which the AP30* Part A was published					
Draft Wizard	BR IFIC No. / Date File location	2721 / 12.06.2012 C:\SpaceCom_Comments_Demo\PL 1. Validate file b 3 Validation OK 2. Send your cor 4 O 5 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	AP30* Part A AN_comments\IFIC2721\NotADM\Draft\PLAN-If efore sending File validation mments Create e-mail with MS Outlook f you don't have Microsoft Outlook, blease send to 'brmail@itu.int' the comments file indicated above using your own messaging management program.	was published ICZ721_NOT_AP3030 S - if Validation OK				
ITU BR								





Sample of report in case the notifying Administration received agreement from CAN

and same comments as BR for ALG, CHN and VEN

Solution

Report on validation done by the notifying Administration B on draft SpaceCom database

DR 11 10. 2721	R 110. 2721, Special Section. AF 50-50A/E/305 , Adm./ntwk.org D, Sat. ntwk. D-SAT-5A-2, OD. pos44.50,						
Provision	Examined notice	To be protected	Link	Identified by BR or	Administration comments Receivability		
				added by Aff.	of the		
				Adm.	comments		
A30#4.2.3C	Planned BSS	Planned BSS (PLAN or Art.4)	DN	ALG	a3) disagreement to the proposed assignments True		
				CHN	a3) disagreement to the proposed assignments True		
				VEN	a3) disagreement to the proposed assignments True		
				CAN	c1) agreement through Notif. Adm. False		
A30A#4.2.2C	Planned feeder	Planned feeder link in FSS	UP	ALG	a3) disagreement to the proposed assignments True		
	link in FSS	(PLAN or Art.4)					
				CHN	a3) disagreement to the proposed assignments True		
				VEN	a3) disagreement to the proposed assignments True		
				CAN	c1) agreement through Notif. Adm. False		

BR IFIC: 2721 ; Special Section: AP30-30A/E/589 ; Adm./ntwk org.: B ; Sat. ntwk: B-SAT-3A-2 ; Orb. pos.: -44.90 ;



- After receipt of the SpaceCom draft database validated by the notifying Administration,
- BR is analyzing the validation and is publishing the Special Section AP30*/E/ Part D in a coming BR IFIC

