Commenting on AP30* Special Sections

Workshop on Space Plan services (AP30/30A/30B)

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ITU-R/SSD Space Notification and Plans Division

International Telecommunication Union

Committed to connecting the world

What is SpaceCom software?

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

BSS PLAN	SOF in planned bands	FSS PLAN
Special Section: AP30(30A)/E/ Part A	Special Section: AP30-30A/F/C/	Special Section: AP30B/A6A/

BR examination under: A30#4.1.1A/B/C/D/E A30A#4.1.1A4/A7/B4/B7/C/D A30A#4.1.1D(Art.2A) A30#4.2.3A/B/C/D/E6/E7/F A30A#4.2.2A/B/C	BR examination under: AP30#4.1.1D AP30#4.2.3D	BR examination under: RR 9.7 AP30#7.1 AP30A#7.1	BR examination under: AP30B#6.5 AP30B#6.6

To comment within 4 months, the Administrations identified above use:

SpaceCom software
To express disagreement
(agreement by default)

Telefax to BR / notifying A
To express comment
(disagreement by default)

Results in Special Section:
AP30(30A)/E/ Part D

Results in Special Section:
AP30-30A/F/D/

OR

BR assistance for coordination
Telefax to affected Adm

Installation of SpaceCom v6

- If you have the BR IFIC (space services) CD ROM:

Run: BR_soft\SpaceCom\InstallSpaceCom.exe

- If you have the SRS on DVD ROM:

Run: BR_soft\setup.exe

- On the web you can find information and download at:

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

Installation of SpaceCom DEMO

- On **the web** you can download at:

http://www.itu.int/en/ITU-R/software/Documents/spacecom/SpaceComDemo.exe

- Copy the file SpaceComDemo.exe in C:\BR_SOFT\SpaceCom_v6

- Run SpaceComDemo.exe file
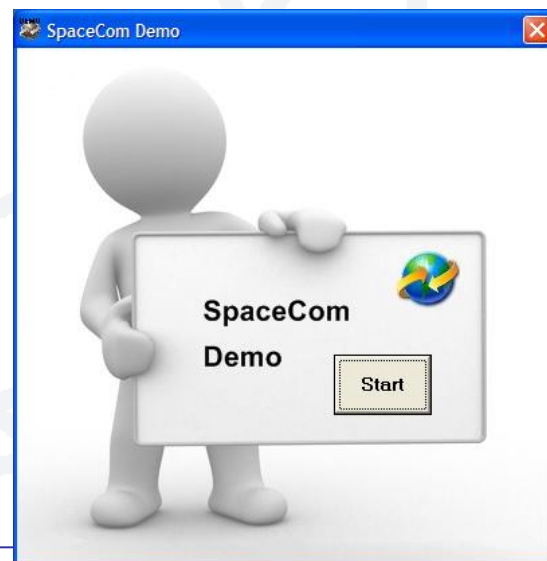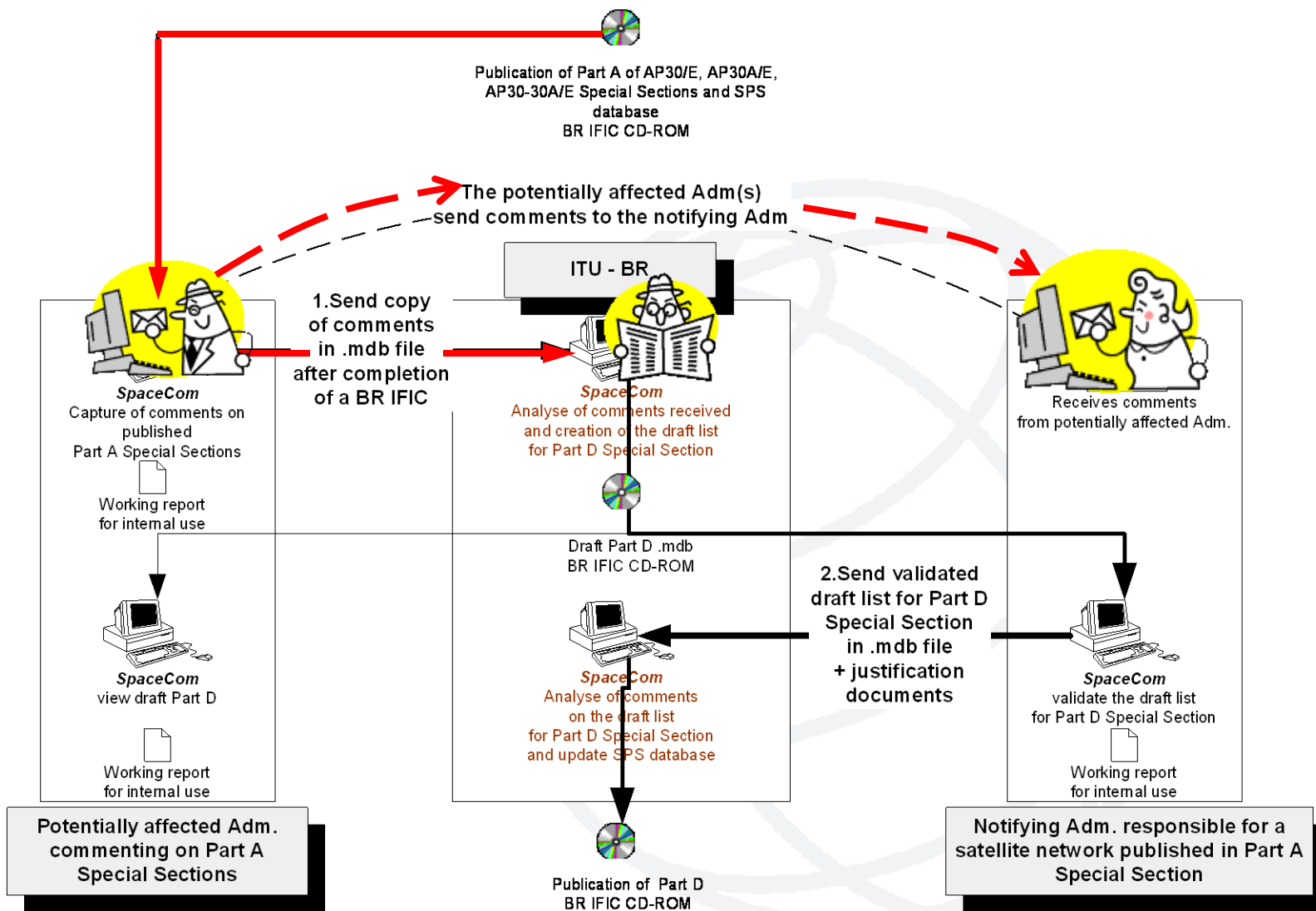
Exercise I: the affected Administration captures its comments on a BR IFIC

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

Publication of Part A of AP30/E, AP30A/E,
AP30-30A/E Special Sections and SPS
database
BR IFIC CD-ROM

The potentially affected Adm(s)
send comments to the notifying Adm

ITU - BR

1.Send copy
of comments
in .mdb file
after completion
of a BR IFIC

SpaceCom
Capture of comments on
published
Part A Special Sections

Working report
for internal use

SpaceCom
Analyse of comments received
and creation of the draft list
for Part D Special Section

Receives comments
from potentially affected Adm.

Draft Part D .mdb
BR IFIC CD-ROM

2.Send validated
draft list for Part D
Special Section
in .mdb file
+ justification
documents

SpaceCom
view draft Part D

Working report
for internal use

SpaceCom
Analyse of comments
on the draft list
for Part D Special Section
and update SPS database

SpaceCom
validate the draft list
for Part D Special Section

Working report
for internal use

Potentially affected Adm.
commenting on Part A
Special Sections

Publication of Part D
BR IFIC CD-ROM

Notifying Adm. responsible for a
satellite network published in Part A
Special Section

Exercise I: you are the Administration "BOL"
commenting on AP30*/E Part A Special Sections published in the BR IFIC 2665 / 23.03.2010

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

In "Comment":
- Input PartA BR IFIC number / connect to the BR IFIC database: SPS_ALL_IFIC2665.mdb
- Click "Get list of PartA" / select USAT-S2 MOD-B satellite network
- Click "Comment PartA..."

Your analysis of the published satellite network identified
unacceptable interference caused on your networks under: **A30#4.2.3C** and **A30A#4.2.2C**
coincides with BR conclusions

- Accept default comments "a3) disagreement to the proposed assignments"
  by checking "comments completed"

In "Validate/Send":
- Enter BR IFIC no. 2665/ Browse Comments file location
C:\SpaceCom_Comments_Demo\Plan_comments\IFIC2629\AffADM\PLAN-IFIC2665_BOL.mdb
- Click "File validation"
  Your comments file is ready and could be sent to the Bureau!

Solution

Report on the status of all your comments.
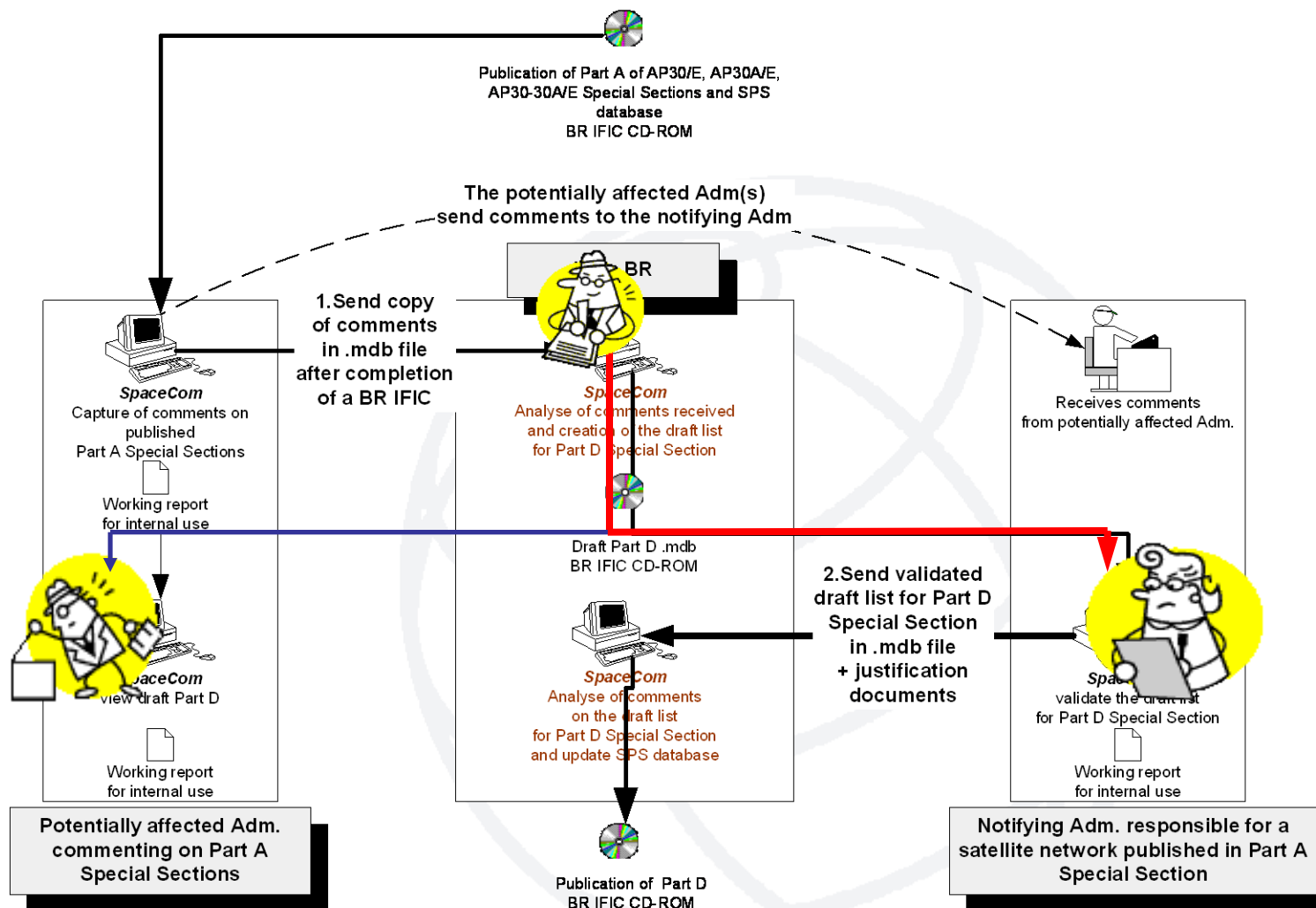(Not receivable by BR)

AP30-30A/E505 ; G ; USAT-S2 MOD-B ; (orb. pos.:-114.5)

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

Explanation Step by step of this exercise in annex below

Publication of Part A of AP30/E, AP30A/E,
AP30-30A/E Special Sections and SPS
database
BR IFIC CD-ROM

The potentially affected Adm(s)
send comments to the notifying Adm

BR

**1.Send copy
of comments
in .mdb file
after completion
of a BR IFIC**

SpaceCom
Capture of comments on
published
Part A Special Sections

Working report
for internal use

SpaceCom
Analyse of comments received
and creation of the draft list
for Part D Special Section

Receives comments
from potentially affected Adm.

Draft Part D .mdb
BR IFIC CD-ROM

**2.Send validated
draft list for Part D
Special Section
in .mdb file
+ justification
documents**

SpaceCom
view draft Part D

Working report
for internal use

SpaceCom
Analyse of comments
on the draft list
for Part D Special Section
and update SPS database

Spac...
validate the draft list
for Part D Special Section

Working report
for internal use

**Potentially affected Adm.
commenting on Part A
Special Sections**

Publication of Part D
BR IFIC CD-ROM

**Notifying Adm. responsible for a
satellite network published in Part A
Special Section**

Exercise II: you are the Administration "POR"
Validating the draft list of valid comments of your satellite network POR-SAT published in AP30/E/999 Part A Special Section in BR IFIC 2604 / 02.10.2007 before publication of the AP30/E/999 Part D Special Section

- Open **SpaceCom demo** software / click "Ap30*/E PartA"
- Select the Administration code: "POR"
- Select "Notifying Administration (Confirms a draft PartD sent by the BR)"

In "Draft Validation":
- Input PartA BR IFIC number 2604 and reference Part A AP30/E and number 999
  Connect to the draft database: PLAN-IFIC2604_BR_AP30E999.mdb
  Note: for real cases, location in the BR IFIC is indicated in the Bureau's telefax

- Click "Get draft PartD" / select POR-SAT satellite network /
  Click "Validate..."

> You have received same comments as the Bureau
> from the Administration of "ALG", "DNK", "SUI" within the four-month period.
> Agreement was received from Administration of "HOL" not copied to BR.

- Input your validation and "Check Validation completed" when finished.

In "Send to BR":
- Enter BR IFIC no. 2604 / Browse Validation file location / Click "File validation"

Your validation is ready and could be sent to the Bureau for AP30/E/999 Part D publication!

C:\SpaceCom_Comments_Demo\Plan_comments\IFIC2604\NotADM\Draft\
PLAN-IFIC2604_NOT_AP30E999.mdb

Solution

BR IFIC: 2604 ; Special Section: AP30/E/999 ; Adm./ntwk org.: POR ; Sat. ntwk: POR-SAT ; Orb. pos.: -20.00

ITU-BR SpaceCom working report for your internal use only.
Not receivable by BR

Provision	Examined notice	To be protected	Link	Identified by BR or added by Aff. Adm.	Administration comments		Receivability of the comments	Remarks ID
A30#4.1.1B	Planned BSS	Planned BSS (Art.4/List)	DN	ALG	a3)	disagreement	True	
				DNK	a3)	disagreement	True	
				SUI	a3)	disagreement	True	
A30#4.1.1D	Planned BSS	Terrestrial		HOL	c1)	agreement through Notif. Adm.	False	
				F	c2)	no agreement to be obtained	False	

Explanation Step by step of this exercise in annex below

SpaceCom Tools

Merge in-house users

Merge operators

Reports

Definition of default path

Automatic Web update

SpaceCom - more information

the User Manual distributed with the software package
http://www.itu.int/en/ITU-R/
software/Documents/spacecom/InstallSpaceCom_v6.exe

Contact SpaceCom:

BR_SpaceCom_support@itu.int

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

- Extract from CD BR IFIC 2665 – D:/Data/SpacePlans/SPS/SPS_ALL_IFIC2665.zip to your local drive as for example C:/BR IFIC/SPS_ALL_IFIC2665.mdb

- Launch SpaceCom <u>DEMO</u> software

Login

Click 'OK' if you connect as ITU-BR or enter the
Adm./networ... g. code on whose behalf you are acting

1

BOL ▼ / ▼ ⓘ

2

OK   Cancel

Who are you ?

(•) Potentially affected Administration (Commenting on a Part A)

Operator [▼]

( ) Notifying Administration (Confirming a draft Part D database sent by the BR)

> Keeping operator blank for comments for BR

An administration willing to express its disagreement to the proposed assignments submitted under Article 4 of Apeendices 30 and 30A, shall notify its disagreement within four-months from the date of publication of the BR IFIC of the corresponding Part A of AP30/E, AP30A/E or AP30-30A/E Special Sections referred to in § 4.1.5/4.2.8 plus any extension afforded under § 4.1.10/4.2.14.
According to the same provisions, an administration that has not notified its comments either to the administration seeking agreement or to the Bureau within the above-mentioned regulatory period shall be deemed to have agreed to the proposed assignment.

Copy of the comments is to be sent electronically to the following Radiocommunication Bureau address: brmail@itu.int

1

[Next...]

SpaceCom v6

File   Options   Help

Aff. ADM

- Comment
- Import
- Validate/Send
- View draft

Not. ADM

Potentially affected Adm.'s comments under §4.1.7/4.2.10 or §4.1.9/4.2.13 of Art. 4 of AP30/30A

1. Input information to get a list of Part A to comment

[**1**]

BR IFIC No. / Date   ⓘ   `2665` / `23.03.2010`   Expiry date for decision `23.07.2010`

⚠️ You are outside of the valid commenting period

SPS_ALL BR IFIC   `C:\BR IFIC\SPS_ALL_IFIC2665.mdb`   📂

Administration code / network org.   `BOL` / `____`

Comments file location   `_____`

[**2**]

No comment completed yet

Get list of Part A...

2. Select a Part A to comment and click 'Comment Part A...'

[**3**]

	Notice id.	Special section	Rev.	No.	Adm.	Org.	Satellite network	Orb.Pos.	Identified by BR	Comments completion	Comments last u
▶	109555006	AP30-30A/E/505				G	USAT-S2 MOD-B	-114.50	**BOL**	✗	

[**4**]

Comment Part A... ▶

Create re

SpaceCom v6

File Options Help

Aff. ADM

Comment

Import

Validate/Send

View draft

Potentially affected Adm.'s comments under §4.1.7/4.2.10 or §4.1.9/4.2.13 of Art. 4 of AP30/30A

3

Part A Special Section information

Notice Id.	Special Section	Adm./ntwk. org.	Satellite network	Orb. pos.	Comments completed ☑
109555006	AP30-30A/E/505	G	USAT-S2 MOD-B	-114.50	25.08.2010

1. Enter your comments by checking or unchecking the relevant check box in column 'Confirm/Add/Remove' before sending them. If you uncheck the default, you agree to the proposed assignments under the relevant provision.

Provision	Examined notice	To be protected	Link	Identified by BR or added by affected Adm.	Agree / Disagree / Add	Administration comments	Remarks
▶ 23.13B	Planned BSS	Territory		x	☐	<-- *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	x	☐	<-- *Check to add aff. Adm.	
A30#4.2.3B	Planned BSS	Planned BSS (Art....	DN	x	☐	<-- *Check to add aff. Adm.	
A30#4.2.3C	Planned BSS	Planned BSS (PLA...	DN	BOL	☑	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	x	☐	<-- *Check to add aff. Adm.	
A30#4.2.3E7	Planned BSS	Non planned FSS	UP	x	☐	<-- *Check to add aff. Adm.	
A30#4.2.3F	Planned BSS	Non planned BSS	DN	x	☐	<-- *Check to add aff. Adm.	
A30A#4.1.1D	Planned feeder...	Feeder link in SOF...	UP	x	☐	<-- *Check to add aff. Adm.	
A30A#4.2.2A	Planned feeder...	Planned feeder lin...	UP	x	☐	<-- *Check to add aff. Adm.	
A30A#4.2.2B	Planned feeder...	Planned feeder lin...	UP	x	☐	<-- *Check to add aff. Adm.	
A30A#4.2.2C	Planned feeder...	Planned feeder lin...	UP	BOL	☑	a3) disagreement to the proposed assignments	

1 - Input your comments on the proposed assignments:
  ☑ Check if disagreement
  ☐ Uncheck if agreement

4

2. Click 'Check Comments completed' when you have finished with all your entries on all provisions

2

◄ Select a new Part A...   Save   ✓ Check Comments completed

Create report

Not. ADM

ITU BR

WRS-10

SpaceCom v6

File   Options   Help

Aff. ADM

Comment

Import

Validate/Send

View draft

Potentially affected Adm.'s comments under §4.1.7/4.2.10 or §4.1.9/4.2.13 of Art. 4 of AP30/30A

1. Input information to get a list of Part A to comment

BR IFIC No. / Date   ⓘ [2665] / [23.03.2010]   Expiry date for decision [23.07.2010]

You are outside of the valid commenting period

SPS_ALL BR IFIC   [C:\BR IFIC\SPS_ALL_IFIC2665.mdb] 📂

Administration code / network org.   [BOL] / [   ]

Comments file location   [C:\SpaceCom_Comments\PLAN_comments\IFIC2665\AffADM\PLAN-IFIC2665_BOL.mdb]

[Get list of Part A...]

Auto Complete ✓⚙️ ⓘ

2. Select a Part A to comment and click 'Comment Part A...'

	Notice id.	Special section	Rev.	No.	Adm.	Org.	Satellite network	Orb.Pos.	Identified by BR	Comments completion	Comments last update
▶	10955500E	AP30-30A/E/505			G		USAT-S2 MOD-B	-114.50	BOL	✓	25.08.2010 15:14:09

Comments are completed when only green checks in the column

[Comment Part A... ▶]

[🖨 Create report]

Not. ADM

ITU BR

SpaceCom v6

File   Options   Help

Aff. ADM

- Comment
- Import
- Validate/Send
- View draft

Validate and send your comments database to BR

2

BR IFIC No. / Date   2665 / 23.03.2010   Expiry date for decision 23.07.2010   ⚠ You are outside of th
valid commenting pe

3

Comments file location   C:\SpaceCom_Comments\Plan_comments\IFIC2665\AffADM\PLAN-IFIC2665_BOL.mdb

1

4

1. Validate file before sending

File validation

Validation OK

5 - if Validation OK

2. Send your comments

Create e-mail with MS Outlook...

If you don't have Microsoft Outlook,
please send to 'brmail@itu.int' the
comments file indicated above using your
own messaging management program.

SAMPLE of Report in case of comments are: disagreement to the proposed assignments

Report on the status of all your comments.
(Not receivable by BR)

AP30-30A/E505 ; G ; USAT-S2 MOD-B ; (orb. pos.:-114.5)

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

- **After 4 months of commenting period, BR merges all comments received from affected administration**

- **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**

SpaceCom draft file

The SpaceCom draft file (.mdb) is summarizing comments received by the Bureau

It is distributed to Administrations in BR IFIC CD-ROM after the end of the commenting time-period and before AP30*/E Part D publications

In SpaceCom software, the Viewer facility should be used to view and create reports on the draft file

Notifying Administrations need it to validate comments received by the Bureau and cross-check with comments received by them

Affected Administrations can check if their comments are properly received by the Bureau

Sample how to get SpaceCom draft file
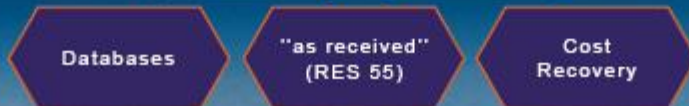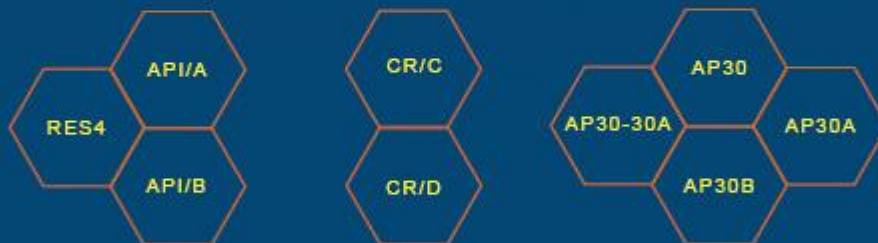
BR IFIC 2678

List of SpaceCom DRAFT databases files for AP30* PartD 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 located in the **BR IFIC 2678 CD-ROM/Data/SpaceCom_data** folder using the SpaceCom software application and return it to the Bureau by electronic mail (brmail@itu.int).

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.

SpaceCom files for AP30* Part D Special Sections

| ADM	Sat_Name	Comments on Special Section Reference	Mod	BR IFIC No / Date	SpaceCom_database File Name
I	INTERACT	AP30/E/512 Part A		2668/04.05.2010	PLAN-IFIC2668_BR_AP30E512.mdb
G	USAT-S4 MOD-A	AP30-30A/E/492 Part A		2656/03.11.2009	PLAN-IFIC2656_BR_AP3030AE492.mdb
G	USAT-S4 MOD-B	AP30-30A/E/511 Part A		2668/04.05.2010	PLAN-IFIC2668_BR_AP3030AE511.mdb

1

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

- In Exercise II you can find **PLAN-IFIC2604_BR_AP3030AE999.mdb** SpaceCom draft file as if extracted from the CD-ROM BR IFIC 2604 – \\Data\SpaceCom_data\draft_AP30D\

  copy it to your local drive as for example C:/SpaceCom/PLAN-IFIC2604_BR_AP3030AE999.mdb

- Launch SpaceCom DEMO software
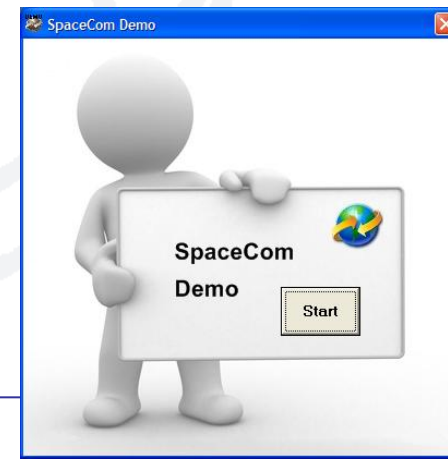
SpaceCom Template Selection

API/A — Manage comments for the publication of API/B Special Sections

CR/C — Manage comments for the publication of CR/D Special Sections

1

AP30×/E Part A — Manage comments for the publication of Plan Part D of AP30/E, AP30A/E, AP30-30A/E Special Sections

AP30-30A/F/C — Manage comments for the publication of AP30-30A/F/D Special Sections

☑ Show this screen each time you launch SpaceCom

Who are you ?

○ Potentially affected Administration (Commenting on a Part A)

Operator [▼] ⓘ

1

◉ Notifying Administration (Confirming a draft Part D database sent by the BR)

Before proceeding with the publication of the information in a Special Section of the Part D series, the Bureau request your Administration to kindly inform it of any additional comments concerning disagreements received from administrations, which may not have been copied to the Bureau, by updating accordingly the draft Part D database using the SpaceCom software and return it to the Bureau by electronic mail (brmail@itu.int).

2

[Next...]

File   Options   Help

Aff. ADM
Not. ADM

Draft validation

Send to BR

View draft

ITU BR

WRS-10

Validate draft Part D received from the BR

1. Input information to validate your draft Part D

BR IFIC No. / Date   ⓘ 2604   / 02.10.2007   **1**

PartA   **2**   AP30/E ▼   999   ▼

Draft Part D file location   C:\SpaceCom_Comments_Demo\PLAN_comments\IFIC2604\NotADM\Draft\PLAN-IFIC2604_NOT_AP30E999.mdb

3   Get draft Part D...

2. Select a draft Part D to validate and click 'Validate...'   ⓘ

	Notice id.	Special section	Rev.	No.	Adm.	Org.	Satellite network	Orb.Pos.	Validation completion	Validation last update
▶	107552999	AP30/E/999			POR		POR-SAT	-20.00	✓	26.11.2010 16:27:25

4

5   Validate...   ▶

SpaceCom v6

File Options Help

Aff. ADM
Not. ADM

Draft validation

Send to BR

View draft

ITU BR

Validate draft Part D received from the BR

3

Part A Special Section information

Notice Id.	Special Section	Adm./ntwk. org.	Satellite network	Orb. pos.
107552999	AP30/E/999	POR	POR-SAT	-20.00

Comments completed ☑
26.11.2010

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#4.1.1B	Planned BSS	Planned BSS (Art....	ALG	☑	a3) disagreement to the proposed assignments	
		Planned BSS	Planned BSS (Art....	DNK	☑	a3) disagreement to the proposed assignments	
		Planned BSS	Planned BSS (Art....	SUI	☑	a3) disagreement to the proposed assignments	
▶	A30#4.1.1D	Planned BSS	Terrestrial	HOL	☐	c1) agreement through Notif. Adm.	
		Planned BSS	Terrestrial	F	☐	c2) no agreement to be obtained	

1 control of comments received by BR and by Administration responsible

2

2. Click 'Check Validation completed' when you estimate having finished with your inputs

4

◄ Select a new draft Part D...   Save   ✔ **Check Validation completed**   🖨 Create report

WRS-10

- **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 BR IFIC**