Commenting on AP30* Special Sections

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

Publications subject to comments with SpaceCom

API/A	CR/C	CR/C	AP30/E/, AP30A/E/, AP30-30A/E/ (Part A)	AP30-30A/F/C/
Provisions: **9.3**	Provisions: **9.53A**	Provisions: **9.41**	Provisions: **All**	Provisions: **A30#4.1.1D** **A30#4.2.3D**

4 MONTH COMMENTING PERIOD
List of definitive or additional coordination requirements to be published on Special Sections:

API/B	CR/D	CR/E	AP30/E/, AP30A/E/, AP30-30A/E/ (Part D)	AP30-30A/F/D
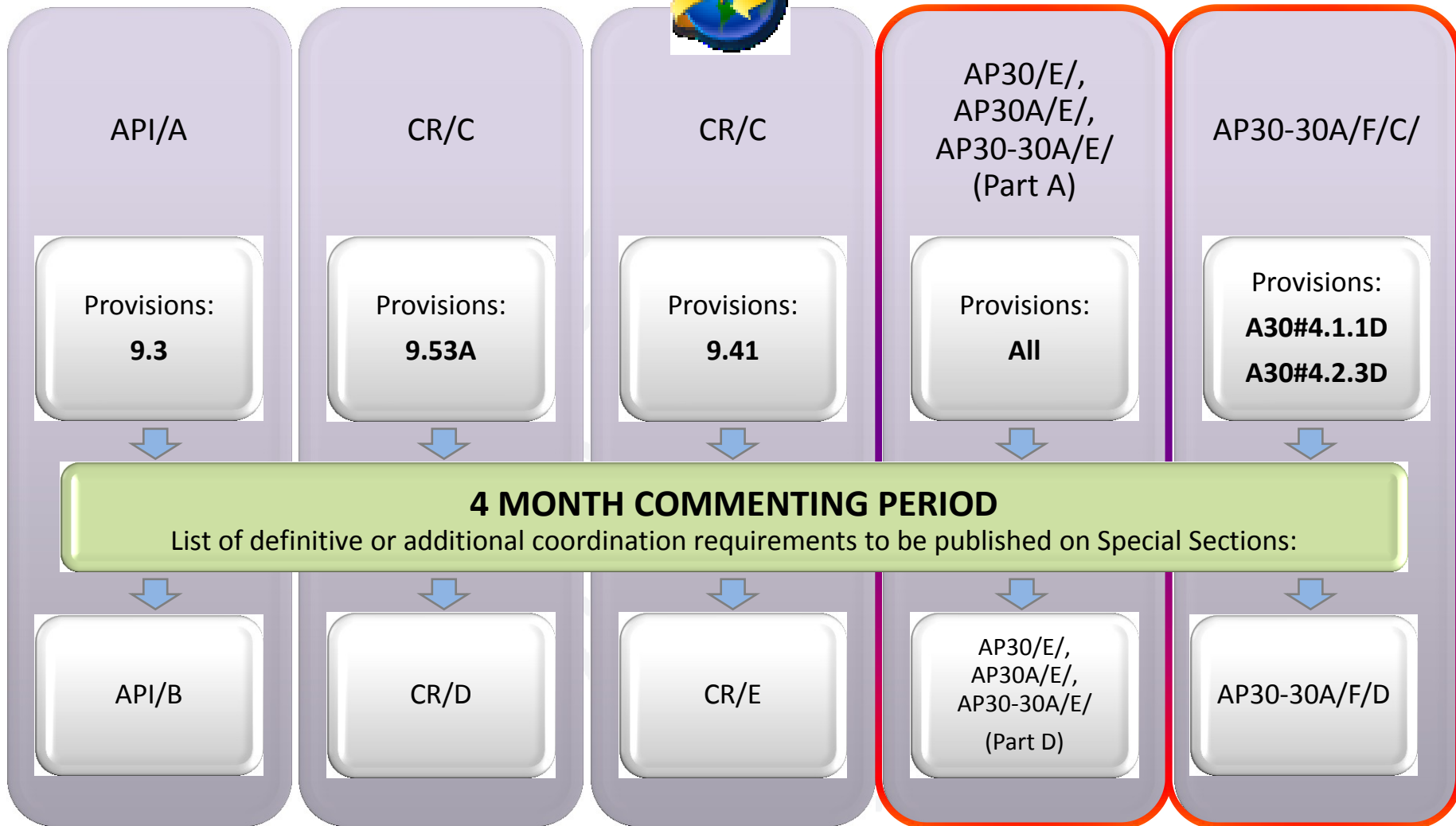
Publications subject to comments without SpaceCom

API/A	CR/C	AP30-30A/F/C/	AP30B/A6A
Provisions: **9.5B**	Provisions: **9.7 (9.52)**	Provisions: **9.7** **AP30#7.1** **AP30A#7.1**	Provisions: **AP30B#6.5**

4 MONTH COMMENTING PERIOD

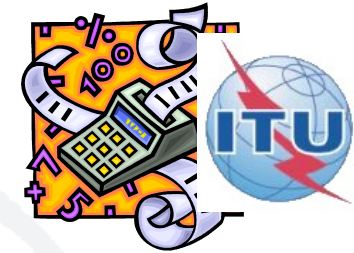No publication of the list of coordination requirements
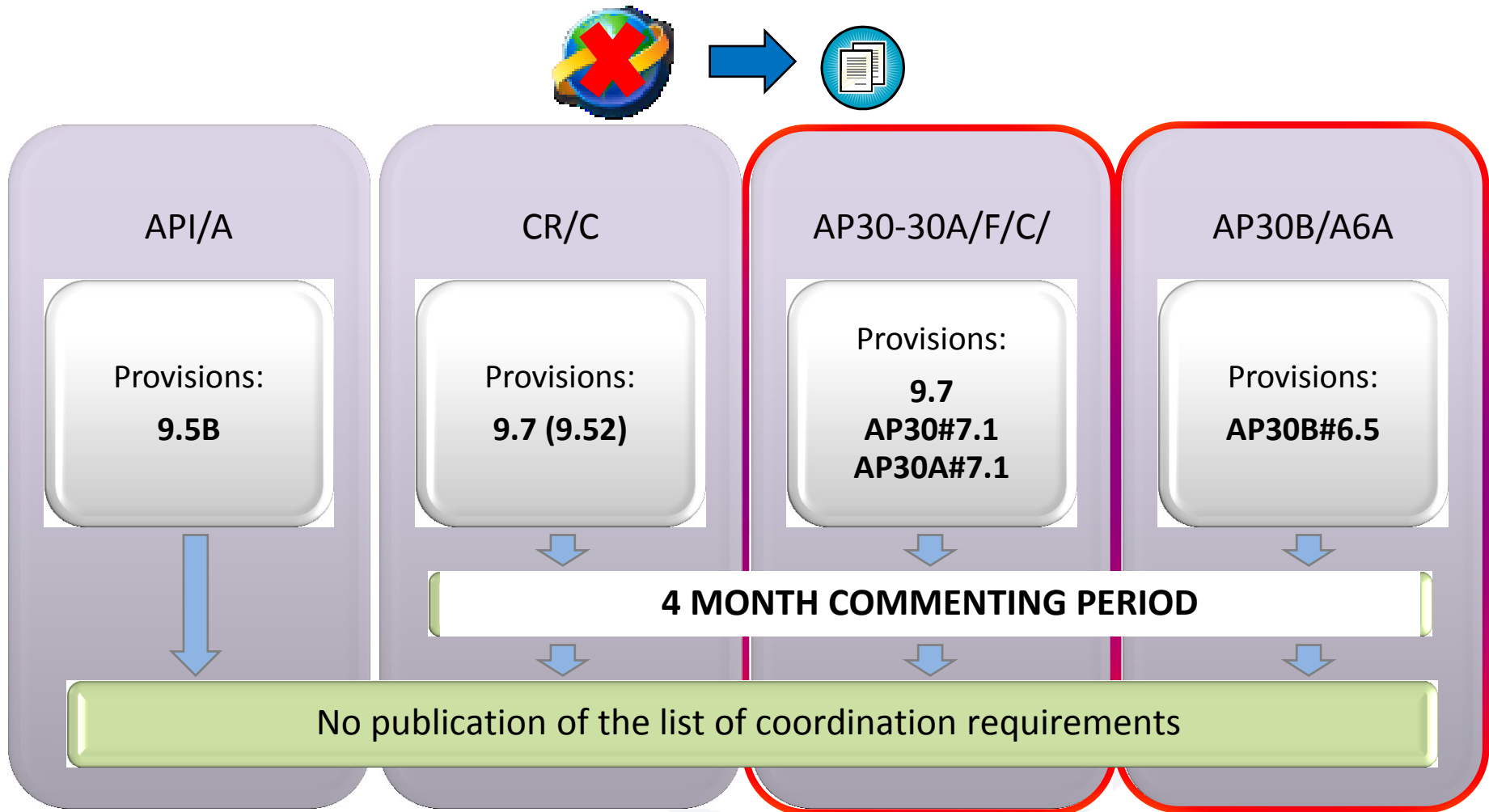
Commenting on Special Sections

BR Examination

on proposed satellite network
identifies affected Administrations

Publication

of results in BR IFIC Special Sections

Affected Administrations have 4 months to comment

i.e to inform BR and Notifying Administration of their agreement
for interfering OR their request for coordination/objection
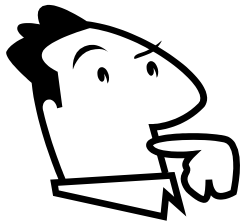
Commenting on Special Sections

Publications 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/

Publications NOT subject to comments:

- 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

BSS Plan: Commenting on AP30*/E Part A Special Sections

BSS PLAN

Special Sections:

AP30/E/ (Part A) ; AP30A/E/ (Part A); AP30-30A/E/ (Part A)

All provisions identifying potentially affected Administrations

Region 1&3: A30#4.1.1A/B/C/D/E   A30A#4.1.1A4/A7/B4/B7/C/D   A30A#4.1.1D(Art.2A)

Region 2: A30#4.2.3A/B/C/D/E6/E7/F   A30A#4.2.2A/B/C

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

SpaceCom software

To express disagreement

(agreement by default)

Results in Special Sections:

AP30/E/ (Part D) ; AP30A/E/ (Part D); AP30-30A/E/ (Part D)

SOF: Commenting on AP30-30A/F/C Special Sections

SOF in planned bands

Special Section:

AP30-30A/F/C/

| BR examination under: AP30#4.1.1D AP30#4.2.3D | BR examination under: RR 9.7 AP30#7.1 AP30A#7.1 |

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

SpaceCom software To express disagreement (agreement by default)

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

NO SpaceCom !

Results in Special Section:

AP30-30A/F/D/

NO Publication!

FSS Plan: Commenting on AP30B/A6A/ Special Sections

FSS PLAN Special Section: AP30B/A6A/

BR examination under: AP30B#6.5 Coordination requirements	BR examination under: AP30B#6.6 Territory in the Service Area

To comment within 4 months, Administrations identified above use:

Telefax to BR / notifying Adm
To express comment
(No reply = Disagreement)

NO SpaceCom !

Notifying Adm shall seek agreement

NO Commenting time period !

6.13- Notifying Adm requests BR assistance
6.14- BR telefax to affected Adm requesting a decision

To send decision within 1 month, Administrations asked above use:

Telefax to BR
To express : agreement or disagreement
(No reply = Agreement)

Telefax to BR / notifying Adm
To express Agreement or Disagreement

If no reply - 6.15 BR Conclusion telefax

NO Publication!

Commenting with SpaceCom BR Software

1. **SpaceCom – Plan**

2. **Searching the BR IFIC**

3. **Using SpaceQry**

4. **Examining the SPS or 30B databases**

5. **Using SNS-OnLine**

Commenting procedure

1. **SpaceCom – Plan**

2. **Searching the BR IFIC**

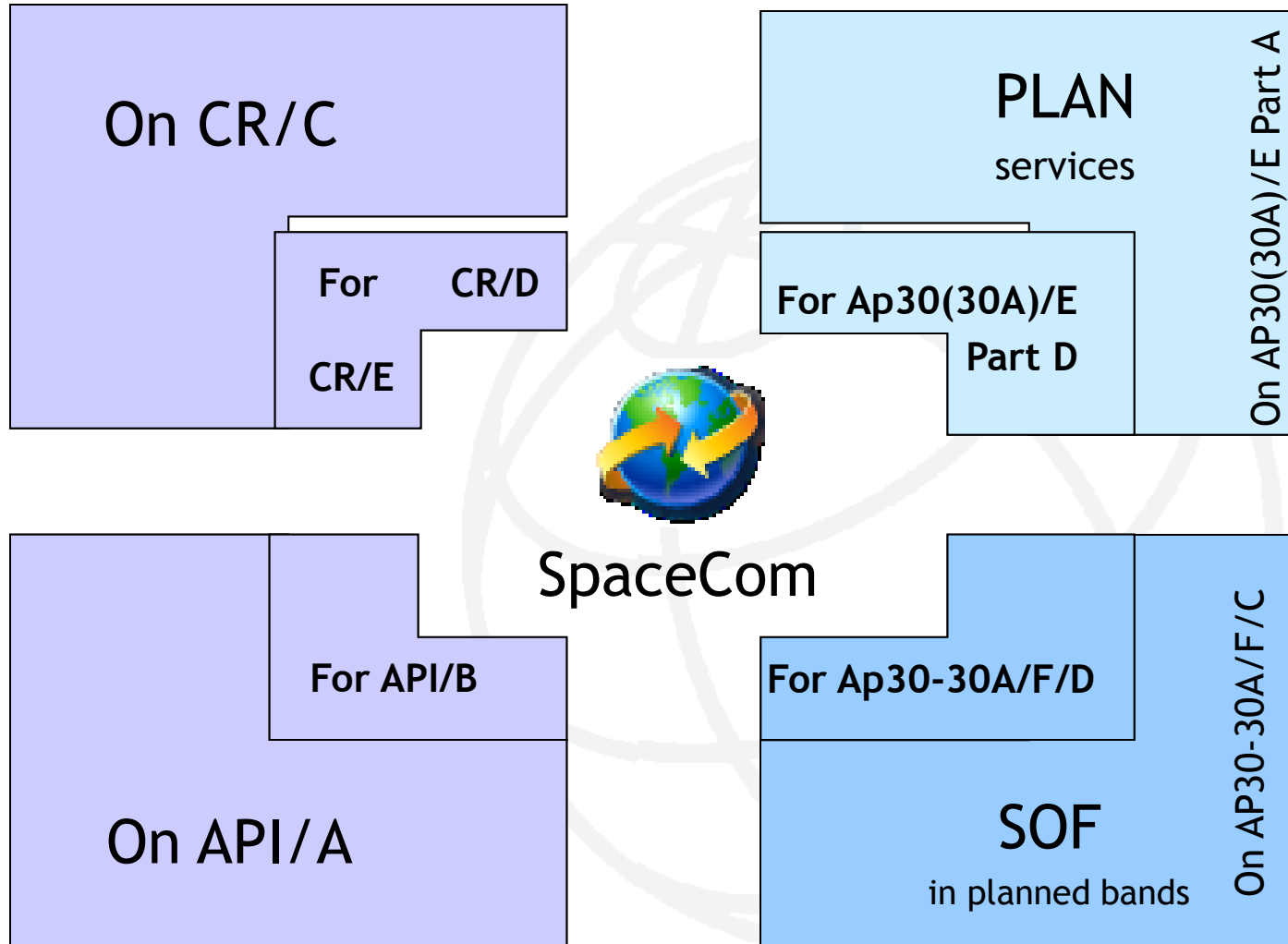3. **Using SpaceQry**

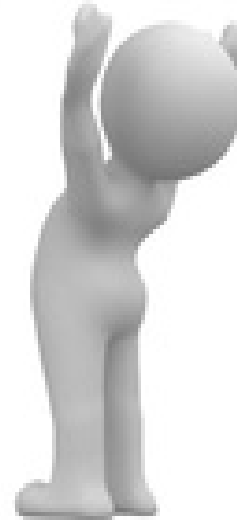4. **Examining the SPS or 30B databases**

5. **Using SNS-OnLine**

On CR/C

For CR/D

CR/E

PLAN
services

On AP30(30A)/E Part A

For Ap30(30A)/E
Part D

SpaceCom

For API/B

On API/A

For Ap30-30A/F/D

SOF
in planned bands

On AP30-30A/F/C

Publication of BR IFIC with AP30*/E (Part A) or AP30-30A/F/C/ Special Section

Potentially Affected Administration	ITU-R	Notifying Administration

Capture comments
4 months time-period

Publication of BR IFIC
with AP30*/E (Part A)
or AP30-30A/F/C/
Special Section

SPS_mdb

BR IFIC 2710
10.01.2012

DVD
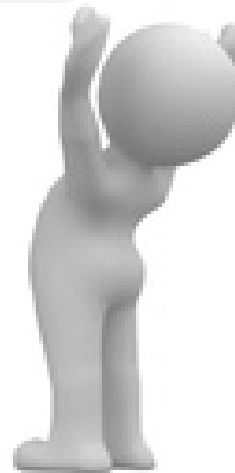
Potentially Affected Administration	ITU-R	Notifying Administration

Complete, validate, Send comments file

Only SpaceCom files are receivable by BR
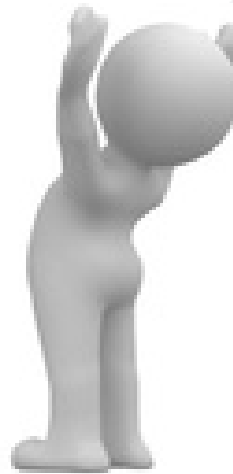
Analyses comments

**Creates SpaceCom draft mdb
AP30*/E Part D
or AP30-30A/F/D**

Potentially Affected Administration | ITU-R | Notifying Administration

View SpaceCom Draft Part D mdb

BR IFIC with posted SpaceCom Draft mdb

Validate Draft Part D (30 days time-period)

Send Draft Part D file

Draft mdb

Draft mdb

Potentially Affected Administration	ITU-R	Notifying Administration

Publication of BR IFIC with AP30*/E Part D or AP30-30A/F/D

To comment: how to identify administrations affected by a proposed satellite network?

1. **SpaceCom – Plan**

2. **Searching the BR IFIC**

3. **Using SpaceQry**

4. **Examining the SPS or 30B databases**

5. **Using SNS-OnLine**

2. Searching the BR IFIC (1/3)

The main steps are:

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**

2. Searching the BR IFIC (2/3)

2. Searching the BR IFIC (3/3)

To comment: how to identify administrations affected by a proposed satellite network?

1. **SpaceCom – Plan**

2. **Searching the BR IFIC**

3. **Using SpaceQry**

4. **Examining the SPS or 30B databases**

5. **Using SNS-OnLine**

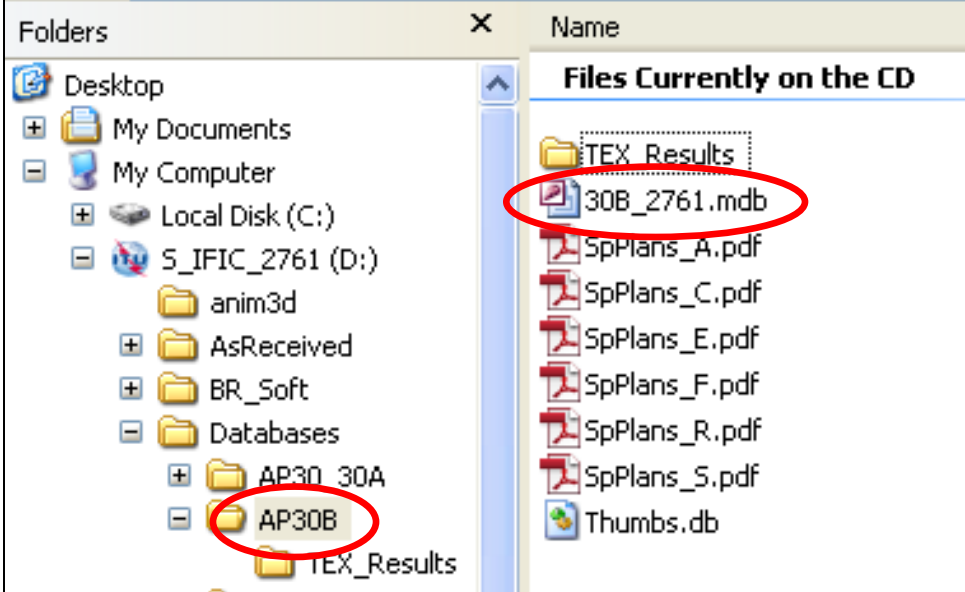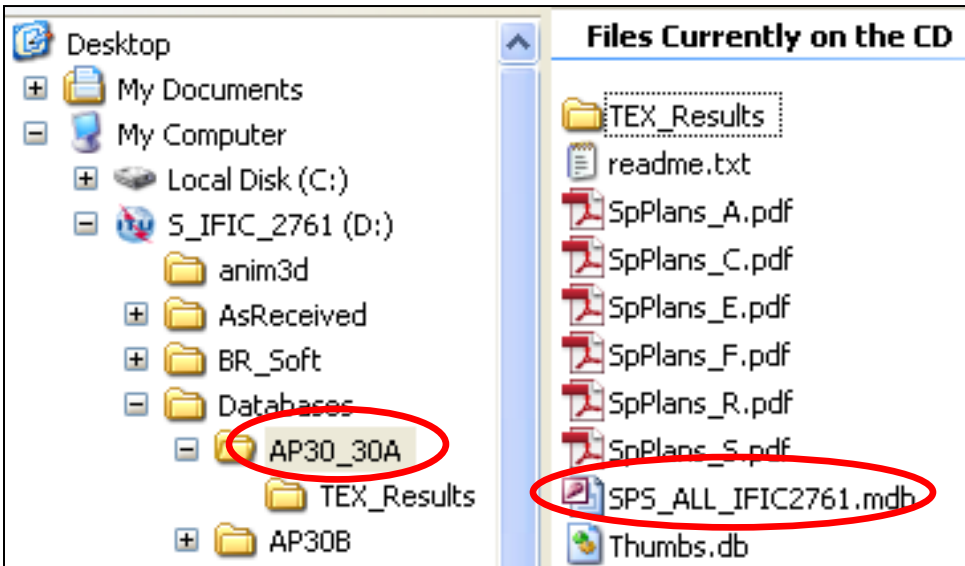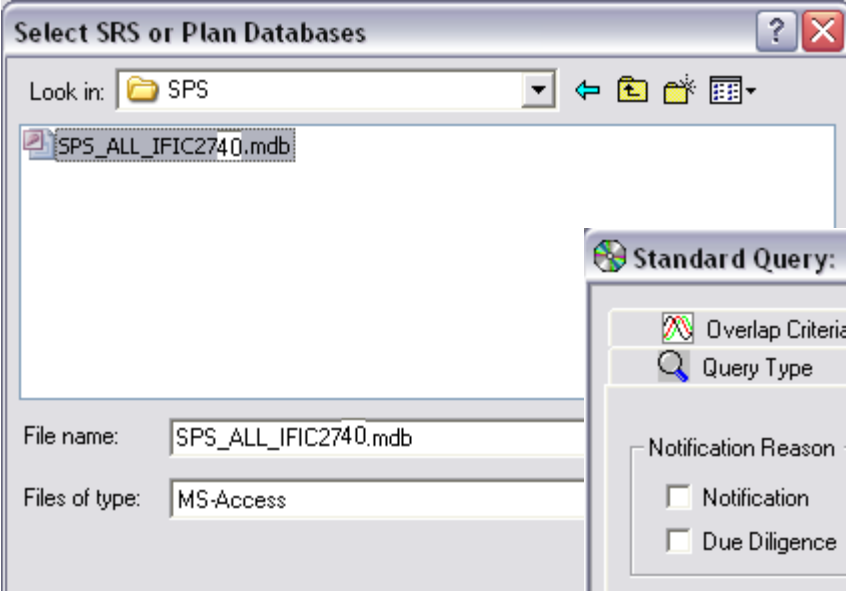## 3. Using SpaceQry(1/5)

The main steps are:

a. Copy the **SPS or 30B databases** from the
   BR IFIC DVD ROM or the ITU website to the user's computer

b. Open the SPS/30B database with **SpaceQry**

c. Search networks published in the BR IFIC

d. Select a network

e. Click **"show coordination info"**

3. Using SpaceQry(2/5)

a.

3. Using SpaceQry(3/5)

Select SRS or Plan Databases

Look in: SPS

SPS_ALL_IFIC2740.mdb

File name: SPS_ALL_IFIC2740.mdb

Files of type: MS-Access

b.

c.

Standard Query:

Overlap Criteria — Quick Queries — Plan Criteria — Stored Queries

Query Type — General Criteria — Station Criteria — Frequency Criteria

Notification Reason

☐ Notification   ☐ Satellite Coordination   ☐ Advanced Publication   ☐ BSS Plan

☐ Due Diligence   ☐ Earth Station Coordination   ☐ FSS Plan

Administrative Criteria

Administration : [_____]   Organization : [_____]

BR Network ID : [_____]   BR Status : [_____]

Publication Number : [2740]   Publication Part : [_____]

Number of the BR IFIC to be explored
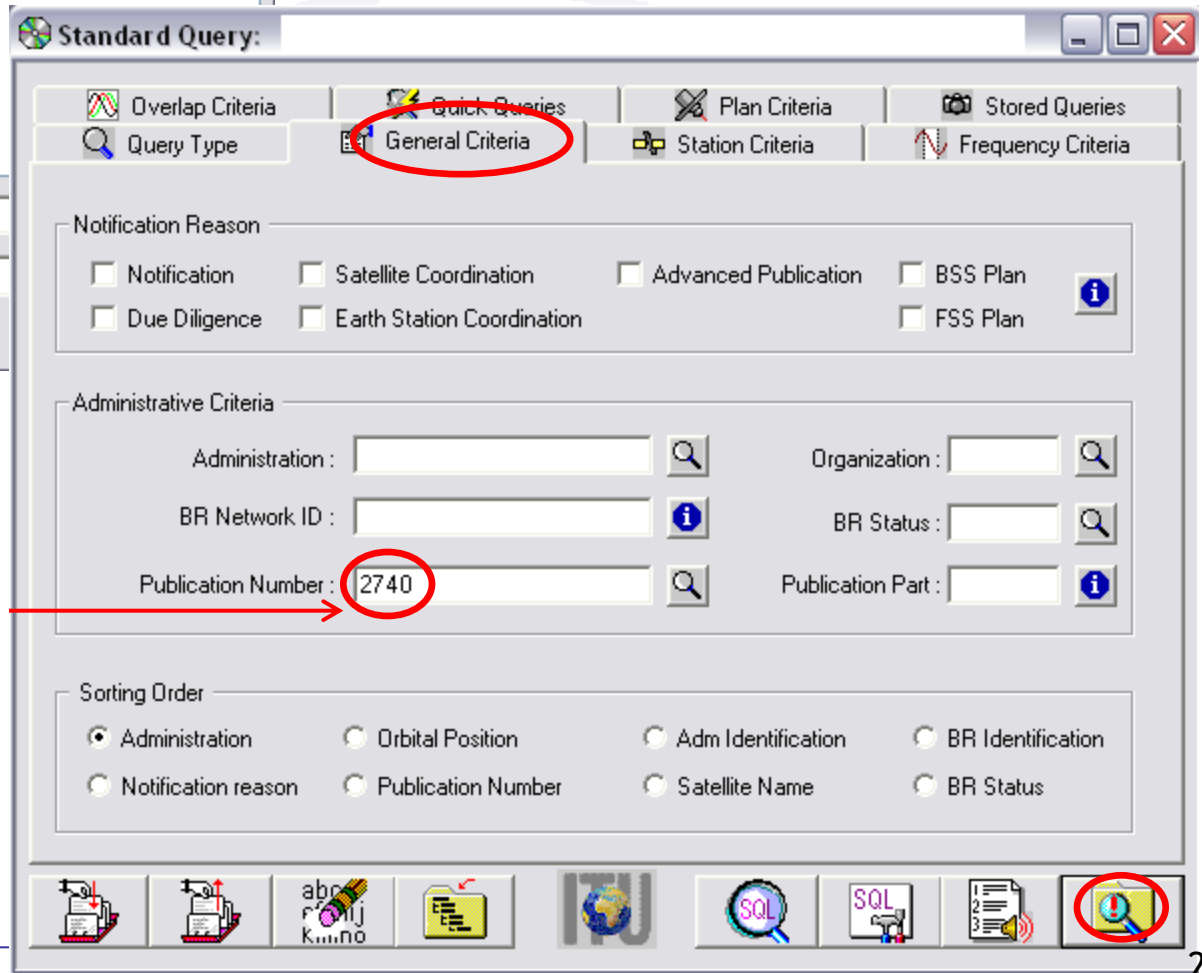
Sorting Order

● Administration   ○ Orbital Position   ○ Adm Identification   ○ BR Identification

○ Notification reason   ○ Publication Number   ○ Satellite Name   ○ BR Status

25

3. Using SpaceQry(4/5)

f.

d.

3. Using SpaceQry(5/5)

e.

List of (12) List of Affected Networks for 112552004

Coordination Provision	Agreement Code	Adm	Org	Ctry	Satellite Name	Orbital Position	Affected Network	Rsn	In Status	Caus-ing	Rec in
A30#4.1.1E	I	CYP			KYPROS-ACHILLEAS	174.00	111520240	C	50		F
A30#4.1.1E	I	F			F-SAT-E-164.1E						
A30#4.1.1E	I	F			F-SAT-E-170.5E						
A30#4.1.1E	I	PNG			PACIFISAT C/KU-3						
A30#4.1.1E	I	USA			INTELSAT7 177E						
A30#4.1.1E	I	USA			INTELSAT7 177E						
A30#4.1.1E	I	USA			INTELSAT7 178E						
A30#4.1.1E	I	USA			INTELSAT7 178E						
A30#4.1.1E	I	USA			INTELSAT8 178E						
A30#4.1.1E	I	USA			INTELSAT8 178E						
A30#4.1.1E	I	USA			USASAT-14K						
A30#4.1.1E	I	USA			USASAT-14K						

Plan Coordination for Network: …

Plan Coordination Requirements for Network 112552004

IFIC no	Provision	Status	Adm	Org
2723	A30#4.1.1A	I	TON	
			USA	
	A30#4.1.1B	I		
	A30#4.1.1D	I		
	A30#4.1.1E	I	CYP	

Notice of the incoming satellite network

Provision

Number of BR IFIC where the incoming satellite network was published

Potentially affected administrations

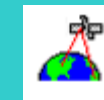# To comment: how to identify administrations affected by a proposed satellite network?

1. **SpaceCom – Plan**

2. **Searching the BR IFIC**

3. **Using SpaceQry**

4. **Examining the SPS or 30B databases**

5. **Using SNS-OnLine**

4. Examining the SPS or 30B databases(1/5)

The main steps are:

a. Copy the **SPS or 30B databases** from the BR IFIC
    DVD ROM or the ITU website to the user's computer

1. For AP30/E/, AP30A/E/, AP30-30A/E/ (Part A) and AP30B/A6A:

b. Open the SPS/30B database using **Microsoft ACCESS**.
    Open the **"tr_provn"** and the **"tr_aff_ntw"** table

c. For both tables, use the **"filter for"** tool in the **"adm"** field to find the
    relevant records of the affected administration

d. Note the notice ID, BR IFIC no. and the provision number of the
    affecting network

2. For AP30-30A/F/C:

b. Open the SPS database using **Microsoft ACCESS**.
    Open the **"provn" table**

c. Use the **"filter for"** tool in the **"adm"** field to find the relevant records of
    the affected administration

d. Note the group ID (corresponding notice ID may be found in **"grp"**
    table) and the provision number of the affecting network

4. Examining the SPS or 30B databases(2/5)
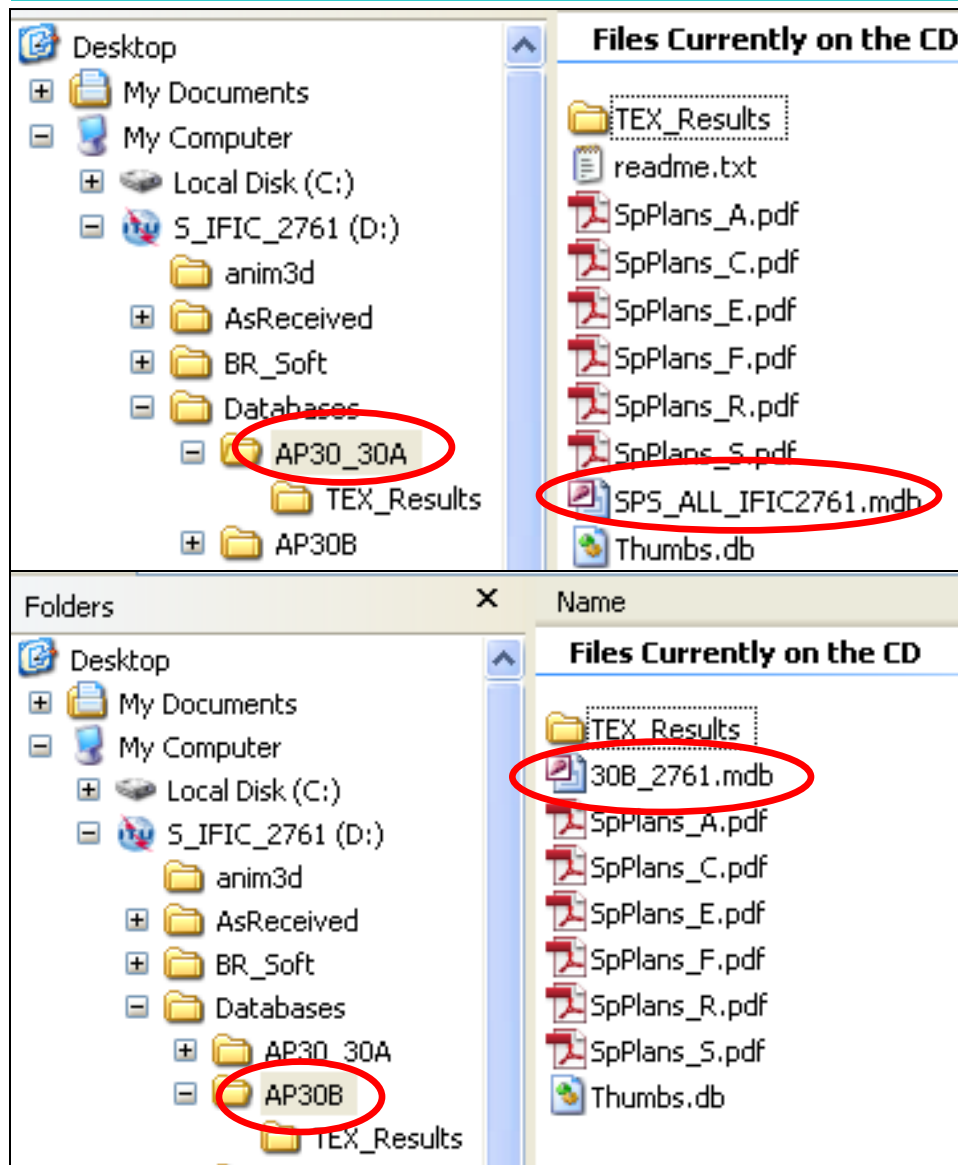
a.

4. Examining the SPS or 30B databases(3/5)

SPS_ALL

All Access Objects

- srs_ooak
- srv_area
- srv_cls
- st_queue
- strap
- tr_aff_ntw
- **tr_provn**
- upd_hist

Rea...   Num Lock

1.b.

1.c.

tr_provn

ntc_id	coord_prov	agree_st	wic_no	seq_no	coord_st	adm	ntwk_org
112555005	A30#4.2.3E6	I	2740	3		J	
112555005	A30#4.2.3E6	I	2740	4		LUX	
112555005	A30#4.2.3E6	I	2740	5		RUS	
112555005	A30#4.2.3E6	I	2740	6		LAO	
112555005	A30#4.2.3E7	I	2740	1			
112555005	A30#4.2.3F	I	2740	1			
112555005	A30A#4.1.1D	I	2740	1			
112555005	A30A#4.2.2A	I	2740	1			
112555005	A30A#4.2.2B	I	2740	1			

A↓ Sort A to Z
Z↓ Sort Z to A
Clear filter from
Text Filters

☐ (Select All)
☐ (Blanks)
☐ J
☑ LAO
☐ LUX
☐ RUS

Notice of the incoming satellite network

Provision

Number of BR IFIC where the incoming satellite network was published

Potentially affected administrations

4. **Examining the SPS or 30B databases(4/5)**

1.b.

1.c.

Notice of the incoming satellite network

Provision

Notice of the affected satellite network

4. Examining the SPS or 30B databases(5/5)

grp_id	coord_prov	agree_st	seq_no	coord_st	adm	ntwk_org	ctry
5764	9.7	A	2		CAN		
5764	9.7	A	3		G		
5764	9.7	A	4		J		
5764	A30#4.2.3D	N	1				
5764	A30#7.1	Q	1				
5764	A30A#7.1	T	1				
5764	A30A#7.1	T	2				

All Access Objects

- ntc_memo
- ntc_upd
- orbit
- orbit_lnk
- ovrl_epm
- phase
- pl_strap
- plan
- provn   **2.b.**
- pub_ssn
- pwr_ctrl

Group id of the incoming satellite network

Provision

Potentially affected administrations

2.c.

Sort A to Z

Sort Z to A

Clear filter from adm

Text Filters

- ☐ ISR
- ☐ J
- ☐ JMC
- ☐ KAZ
- ☐ KGZ
- ☐ KNA
- ☐ KOR
- ☐ KRE
- ☑ LAO
- ☐ LBN

OK   Cancel

To comment: how to identify administrations affected by a proposed satellite network?

1. **SpaceCom – Plan**

2. **Searching the BR IFIC**

3. **Using SpaceQry**

4. **Examining the SPS or 30B databases**

5. **Using SNS-OnLine**

5. Using SNS-OnLine (1/3)

The main steps are:

a.   With your TIES account, connect to
     http://www.itu.int/sns/plans.html

b.   Input data and Submit

c.   "See TSUM" of the selected network

d.   Use the "Find" facility in the Coordination requirements to
     find the relevant records of the affected administration

5. Using SNS-OnLine (2/3)

a.

Space Network Systems Online

Space Plans Query System

?

NETWORKS INFORMATION

Enter data		or enter notice identifier
Satellite Name :	NSS-BSS 134E	
Notifying Administration :		Notice identifier :
Network Organization :		
Longitude (from) :	-180 (to) : 180	

Select plan then click 'Submit' to run query or 'Cancel' to restart

☑ **BSS Plans & Lists (AP30/30A)**

⦿ Region 1&3 Downlink (AP30)   ○ Region 1&3 Feeder-link (AP30A)   ○ Region 2 (AP30/30A)   ○ All

⦿ Article 4 (Seeking agreement)   ○ Article 5 (Notification)   ○ Due Diligence (Res.49)   ○ PLAN/List ○ All

☐ **Guardbands (Space Operation Functions)**

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

or

☐ **FSS Plan (AP30B)**

○ Article 6 (Seeking agreement)   ○ Article 8 (Notification)   ○ Due Diligence (Res.49)   ○ PLAN/List ○ All

b.

Submit   Cancel

36

5. Using SNS-OnLine (3/3)

c.

SATELLITE NAME	CATEGORY	DATE OF RECEIPT	NOTICE ID.	PLAN ID.	ADM	NTWK ORG	LONGITUDE	DETAILS	STATUS	BR IFIC
NSS-BSS 134E	B	19.07.2010	110552010	00DN	HOL		134	See TSUM	24	2682

d.

COORDINATION						
Provision	Status	BR IFIC	Coord. Status	Admin.	Ntwk Org.	Country
A30#4.1.1A	I	2682				CHN
A30#4.1.1A	I	2682				NRU
A30#4.1.1A	I	2682				PNG
A30#4.1.1A	I	2682				RUS
A30#4.1.1B	I	2682				CHN
A30#4.1.1B	I	2682				HOL
A30#4.1.1B	I	2682				J
A30#4.1.1B	I	2682				LAO
A30#4.1.1C	I	2682				

Web links for further information

SpaceCom software:

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

SpaceQry software:

http://www.itu.int/en/ITU-R/software/Pages/spaceqry.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

SNS On line:

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

Any question?

E-mail: alvaro.devega@itu.int