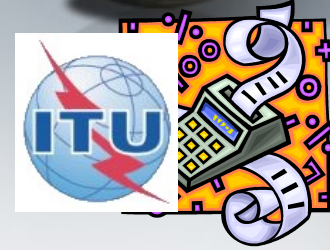


COMMENTING on Special Sections Publications of a BR IFIC

Presented by Véronique GLAUDE

**Space Services Department
Radiocommunication Bureau (BR)**

Commenting on Special Sections



Characteristics of proposed network

BR Examination (except API)

on proposed satellite network

identifies affected Administrations



Publication 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

Publications NOT subject to comments

- API/A
- CR/C
- AP30/E, AP30A/E, AP30-30A/E (Part A)
- AP30-30A/F/C
- AP30B/A6A



SpaceCom



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

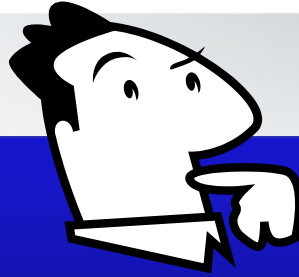


SpaceCom

Commenting on Special Sections



With SpaceCom ?



By Telefax/letter ?

When Comments to be published

- API/A (Sub-Section IA) → API/B

When Implicit agreement if no comment after 4 months

- CR/C (9.52C, 9.41 applicable) → CR/D
- AP30/E, AP30A/E, AP30-30A/E (Part A) → Part D
- AP30-30A/F/C → AP30-30A/F/D (Article 2A of AP30/AP30A)

When No publication on comments

- API/A (Sub-Section IB)

When No implicit agreement

- CR/C (9.52C not applicable)
- CR/F
- AP30-30A/F/C (9.52 applicable)
- AP30B/A6A

What is SpaceCom software?



An application



to assist Administrations

in the management of their objections
(comments)

to proposed networks published in certain
Special Sections concerning certain type of
coordination/agreement seeking procedure

SpaceCom must be used



Resolution 55

as from 1 July 2009,
comments/objections submitted to the Bureau

in accordance with Nos. 9.3 and 9.52 with respect to Nos. 9.11 to 9.14 , 9.21 and 9.41 of
Article 9, or

in accordance with § 4.1.7, 4.1.9, 4.1.10, 4.2.10, 4.2.13 or 4.2.14 of Appendices 30 and 30A
with respect to modification to the Region 2 Plan or to additional uses in Regions 1 and 3 under
Article 4 and use of the guardbands under Article 2A of those Appendices

**shall be submitted in electronic format
compatible with the BR electronic notice
form capture software (SpaceCom)**

Details on ...



- Commenting on API/A Special Sections



- Commenting on CR/C Special Sections



- Commenting on AP30*/E Part A Special Sections



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



- Commenting on AP30B/A6A Special Sections



Commenting on API/A Special Sections



Advanced Publication Information Special Section: API/A



On satellite networks or satellite systems
that are **not** subject to coordination procedure
under Section II

On satellite networks or satellite systems
that are subject to coordination procedure
under Section II

To comment within **4 months** under No.9.3
the Administrations use:



SpaceCom software
To express type of comment

To comment
the Administrations use:

Telefax to BR / notifying Adm
To express comment



Results in Special Section:
API/B



NO
Publication!



NO
SpaceCom !

Commenting on CR/C Special Sections



Request for Coordination (non Planned services)

Special Section:

CR/C



BR examination
under:

Nos. 9.11 to 9.14 , 9.21 and 9.41 of Article 9

BR examination
under:

RR 9.7, 9.7A, 9.7B

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



Results in Special Section:
CR/D , CR/E



NO
Publication!



NO
SpaceCom !

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

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)



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



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



NO
Publication!



NO
SpaceCom !

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 requests BR assistance
6.14- BR telefax to affected Adm asked

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



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



6.15 BR Conclusion telefax



NO
Publication!

Notifying Adm shall
seek agreement



NO Commenting
time period !



Telefax to BR / notifying Adm
To express Agreement or
Disagreement

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



1. **SpaceCom**

2. **Searching the BR IFIC**



3. **Using SpaceQry**



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



5. **Using SNS-OnLine**



- Planned services as example -

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



1. SpaceCom

2. Searching the BR IFIC



3. Using SpaceQry



4. Examining the SPS or 30B databases



5. Using SNS-OnLine



- Planned services as example -

Potentially
Affected Adm.

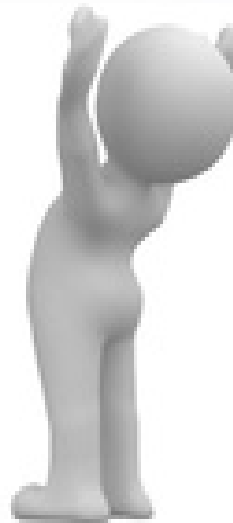
ITU-R



Notifying
Adm.



**Publish BR IFIC
AP30*/E Part A**



Potentially
Affected Adm.

Capture comments
4 months time-period

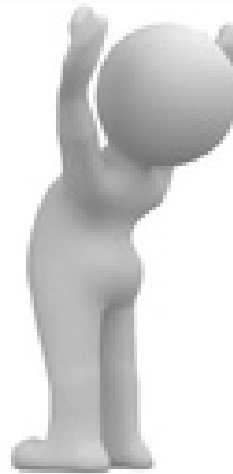


SPS_mdb

ITU-R



Publish BR IFIC
AP30*/E Part A



Notifying
Adm.



Potentially Affected Adm.

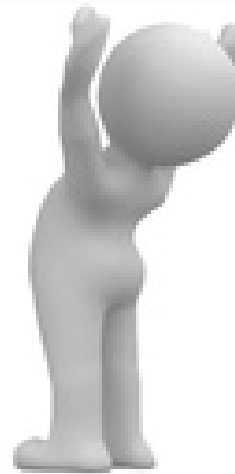
ITU-R



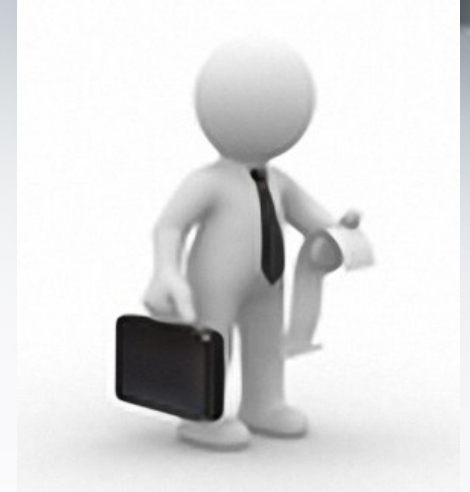
Notifying Adm.



**Complete, validate,
Send comments file**



**Only SpaceCom files
Receivable**



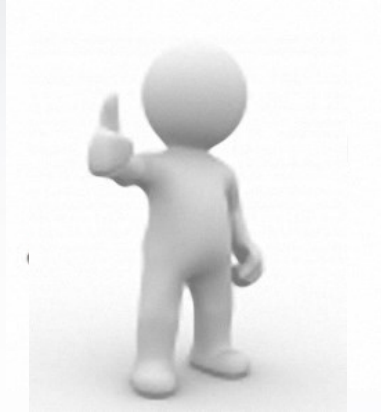
Potentially
Affected Adm.

ITU-R



Analyses comments
Creates SpaceCom draft mdb
AP30*/E Part D

Notifying
Adm.



Potentially
Affected Adm.

ITU-R



Notifying
Adm.



View SpaceCom
Draft Part D mdb

BR IFIC with posted
SpaceCom Draft mdb

Validate Draft Part D
1month time-period
Send Draft Part D file



Draft mdb



Draft mdb



Potentially
Affected Adm.

ITU-R



Notifying
Adm.



Publish BR IFIC
with
AP30*/E Part D





1. SpaceCom - Plan (4/4)



Practice in next part of the workshop

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



1. SpaceCom

2. Searching the BR IFIC



3. Using SpaceQry



4. Examining the SPS or 30B database



5. Using SNS-OnLine





- Planned services as example -



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**

b.

d.

2. Searching the BR IFIC (3/3)



AP 30B-A6a0220.pdf - Adobe Reader

Fichier Edition Affichage Fenêtre Aide

1 / 100 58.2%

Outils Commentaire

SUI

UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES
OFICINA DE RADIOCOMUNICACIONES

ITU

RÉSEAU 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 RESPONSIBLE ADM. ADM. RESPONSABLE	S	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	5 E	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA
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

e.

AP 30B-A6a0220.pdf - Adobe Reader

Fichier Edition Affichage Fenêtre Aide

93 / 100 78.4%

Outils Commentaire

SUI

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 بالإدارات و

A5 Coordinations	A1f1 Notifying adm.	A1f3 Inter. sat. org.	BR80 Status of identified network	A1a Sat. Network / A1b Plan beam identification	BR6a Id. no.	A4a1 Orbital long.	BR79 Max. degradation
App.30B, Art.6, § 6.5 - Annexe 4 App.30B, Art.6, § 6.5 - Anexo 4 App.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 30B, المادة 6, الفقرة 6.5 – الملحق 4							
§2.1 (6/4 GHz)	ALB		Allotment	ALB00000	90558006	4.13 E	15.705
	CMR		Allotment	CMR00000	90558053	7.98 E	8.014
	CTI	RAS	List	RASCOM-1P	103559025	2.9 E	7.842
			List	RASCOM-2P	102559002	2.9 E	4.842
	CYP		Allotment	CYP00000	90558062	0.5 E	2.450
	NOR		Allotment	NOR00000	90558154	6.8 E	4.376
	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
§2.1 (12/10-11 GHz)	ATL		Allotment	ATL00000	90558206	4.13 E	15.018

f.

To comment: how identifying 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



- Planned services as example -



3. Using SpaceQry(1/5)

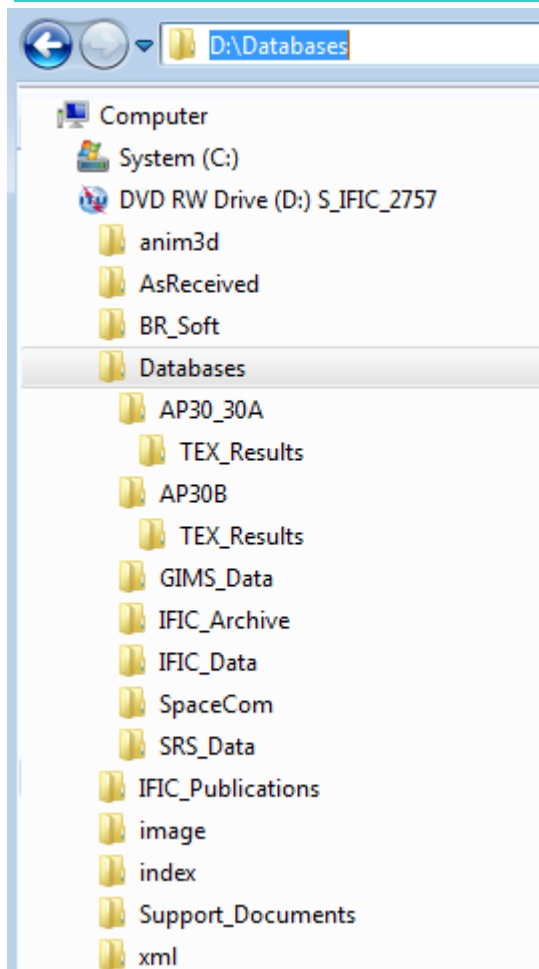


The main steps are:

- a. Copy the **SPS or A30B 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.

Files Currently on the Disc (9)

- TEX_Results
- 30B_2757.mdb
- SpPlans_A.pdf
- SpPlans_C.pdf
- SpPlans_E.pdf
- SpPlans_F.pdf
- SpPlans_R.pdf
- SpPlans_S.pdf
- Thumbs.db

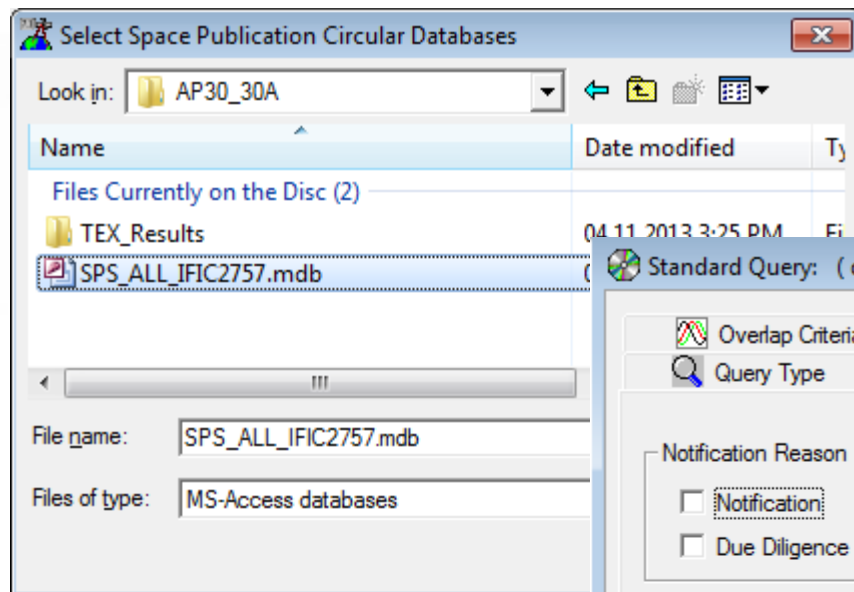
Files Currently on the Disc (10)

- TEX_Results
- readme.txt
- SpPlans_A.pdf
- SpPlans_C.pdf
- SpPlans_E.pdf
- SpPlans_F.pdf
- SpPlans_R.pdf
- SpPlans_S.pdf
- SPS_ALL_IFIC2757.mdb
- Thumbs.db

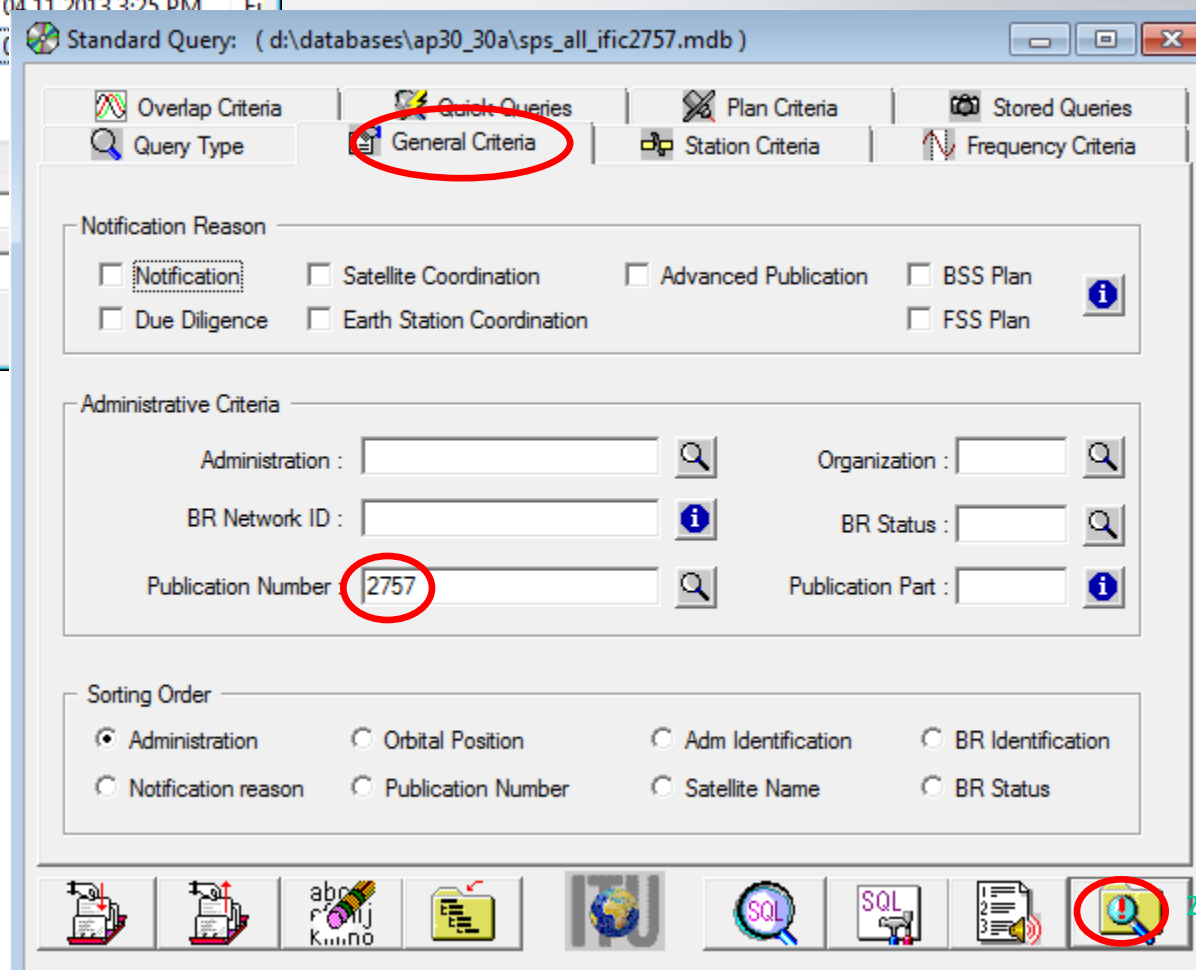


Identifying administrations affected by a proposed satellite network

3. Using SpaceQry(3/5)



c.





Identifying administrations affected by a proposed satellite network

3. Using SpaceQry(4/5)



f.

Space International Frequency Information Circular [SPS_ALL_IFIC2757]

Use IFIC filter ☒

List of (9) Space Networks / Earth Stations for SPS_ALL_IFIC2757

+/-	Notice ID	Adm	Org	Type	Satellite Name	Orbital Position	Station Name	Rsn	Date Received
A	113552010	BGD		G	BANGSAT-74E-B	74.00		B	01.07.2013
A	113554010	BGD		G	BANGSAT-74E-B	74.00		B	01.07.2013
A	113552023	F		G	F-SAT-5-BSS-173F	173.00		B	01.07.2013
A	113554023	F		G	F-SAT-5-BSS-173F	173.00		B	01.07.2013
A	113555004	F		G	F-SAT-5-BSS-173F	173.00		B	01.07.2013
A	113555005	F		G	F-SAT-5-BSS-173F	173.00		B	01.07.2013
A	113555006	HOL		G	BSSN-173F	173.00		B	01.07.2013
M	113580002	MCO		G	MCO-173F	173.00		B	01.07.2013
M	113580003	MCO		G	MCO-173F	173.00		B	01.07.2013

Space International Frequency Information Circular [SPS_ALL_IFIC2757]

Use IFIC filter ☒

Plan Notice Details

ID: 113552010 Plan: WRC-00 DL Date Rcvd: 01.07.2013 Status: 24 IFIC No/Part: 2757 / ss

Admin: BGD Org: Adm Ref Id:

Action: A Type: G Ntf Reason: B 4.1.3

Geostationary Satellite Details

Sat Name: BANGSAT-74E-B Nominal Long: 74.00 Tolerance East: .10

Tolerance West: .10

Inclination: .00

Beam Details (1)

+ / -	Beam	E / R	Gain (dB)	xGain (dBi)	Radiation Pattern
	KDN	E	38.00	8.00	

d.



3. Using SpaceQry(5/5)

✂ List of Affected Networks for 113552010

☞ ⏪ ⏩ 🔍 📄 📷 ?

Coordination Provision	Agreement Code	Adm	Org	Ctry	Satellite Name	Orbital Position	Affected Network	Rsn	In Status
A30#4.1.1E	I	F			F-SAT-T-E-76E	76.00	109556016	B	50

☞ ⏪ ⏩ 📄 📷 ? ⓘ

Plan Coordination Requirements for Network 113552010

IFIC no	Provision	Status	Adm	Org	Ctry
2757	A30#4.1.1A	I			
	A30#4.1.1B	I	F		
			IND		
			PNG		
			RUS	IK	
	A30#4.1.1D	I			
	A30#4.1.1E	I	F		

e.

To comment: how identifying 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



- Planned services as example -

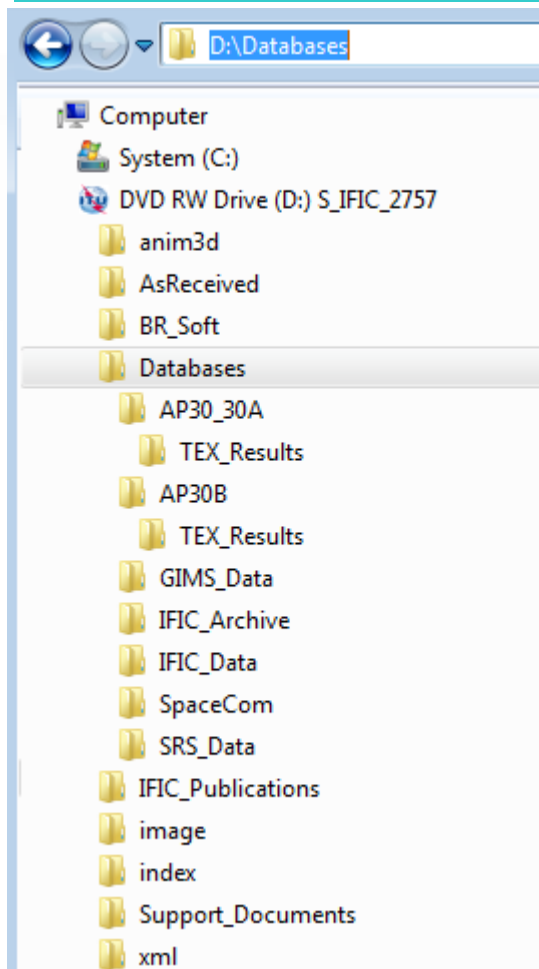
4. Examining the SPS or 30B databases(1/4)



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 using **Microsoft ACCESS**.
Open the **"tr_provn"** table
- c. In the **"adm"** field, use the "filter for" tool to find the relevant records of the affected administration
- d. Note the notice ID, BR IFIC no. and the provision number of the affected network
- e. Repeat steps c) to e) with the **"tr_aff_ntw"** table

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



a.

Files Currently on the Disc (9)

- TEX_Results
- 30B_2757.mdb
- SpPlans_A.pdf
- SpPlans_C.pdf
- SpPlans_E.pdf
- SpPlans_F.pdf
- SpPlans_R.pdf
- SpPlans_S.pdf
- Thumbs.db

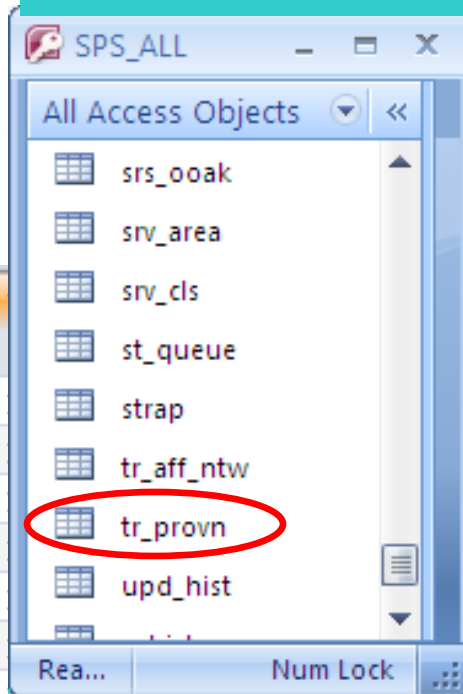
Files Currently on the Disc (10)

- TEX_Results
- readme.txt
- SpPlans_A.pdf
- SpPlans_C.pdf
- SpPlans_E.pdf
- SpPlans_F.pdf
- SpPlans_R.pdf
- SpPlans_S.pdf
- SPS_ALL_IFIC2757.mdb
- Thumbs.db

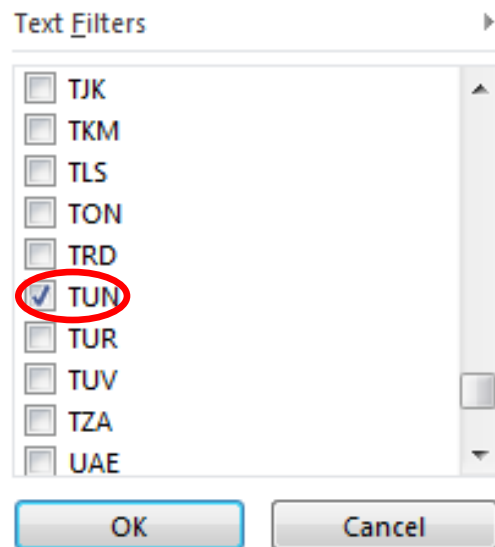
4. Examining the SPS or 30B databases(3/4)



b.



ee_st	wic_no	seq_no	coord_st	adm	ntwk_org	ctry	chan
	2747	48		POL			
	2747	49		ROU			
	2747	50		RUS			
	2747	51		S			
	2747	52		SLM			
	2747	53		SMR			
	2747	54		SRB			
	2747	55		STP			
	2747	56		SUI			
	2747	57		SVK			
	2747	58		SVN			
	2747	59		TCD			
	2747	60		TGO			
	2747	61		TUN			
	2747	62		UKR			
	2747	1		CHN			



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



tr_provn

ntc_id	coord_prov	agree_st	wic_no	seq_no	coord_st	adm
107552009	A30#4.1.1A	R	2605	14		TUN
107554009	A30A#4.1.1A7	R	2605	7		TUN

d.

tr_provn **tr_aff_ntw**

ntc_id	coord_prov	agree_st	aff_ntc_id	adm	ntwk_org	ctr
113555004	A30#4.2.3A	I	100550204	TUN		
113555004	A30#4.2.3A	I	100550205	TUN		

Sort A to Z
Sort Z to A
Clear filter from adm
Text Filters
☒ TUN

e.

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



1. SpaceCom – Plan

2. Searching the BR IFIC



3. Using SpaceQry



4. Examining the SPS or 30B database



5. Using SNS-OnLine



- Planned services as example -



5. Using SNS-OnLine (1/3)



The main steps are:

- a. With your TIES account, connecting <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.

http://www/sns/plans.html - Windows Internet Explorer

Radiocommunication

Space Network Systems Online

Space Plans Query System

NETWORKS INFORMATION

Enter data	or enter notice identifier
Satellite Name : <input type="text" value="NSS-BSS 134E"/>	Notice identifier : <input type="text"/>
Notifying Administration : <input type="text"/>	
Network Organization : <input type="text"/>	
Longitude (from) : <input type="text" value="-180"/> (to) : <input type="text" value="180"/>	

Select plan then click 'Submit' to run query 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)**

<input type="radio"/> Article 2A (Coordination)	<input type="radio"/> Article 11 (Notification)	<input type="radio"/> 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
---	--	--	---

b.



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/>

Key elements on commenting



- Commenting on some publications in BR IFICs
- With SpaceCom OR telefaxes
- 5 ways to check if my Administration/networks are identified by BR examination

... What is next? Practice with SpaceCom