# Commenting on AP30* Special Sections

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

Presented by
ITU-R/SSD Space Notification and Plans Division

International Telecommunication Union
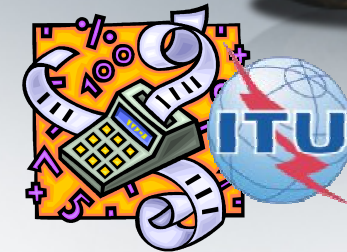
Committed to connecting the world

WRS-2010

# 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 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 Adm**
To express comment
(disagreement by default)

OR

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

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

**BR assistance for coordination
Telefax to affected Adm**

3

# 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**

**SPS report – detailed information cf. SPS workshop**

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

**1. SpaceCom – Plan**

2. Searching the BR IFIC
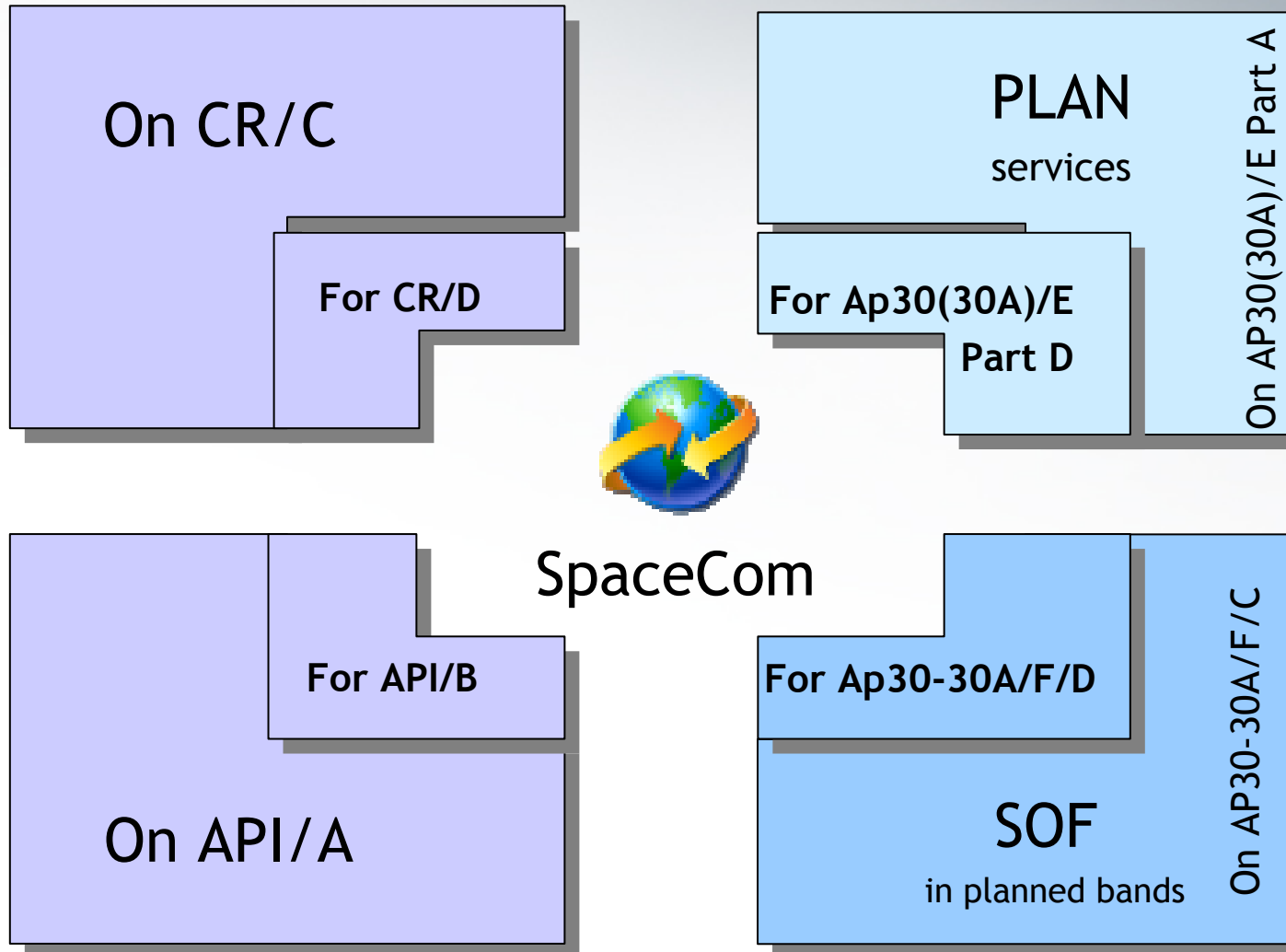
3. Using SpaceQry

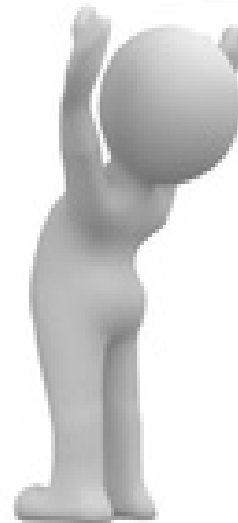4. Examining the SPS or 30B databases

5. Using SNS-OnLine

On CR/C

For CR/D

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

On AP30-30A/F/C

SOF
in planned bands

| Potentially Affected Adm. | ITU-R | Notifying Adm. |
|---|---|---|

**Publish BR IFIC**

**AP30*/E Part A**

Potentially
Affected Adm.

**Capture comments**
**4 months time-period**
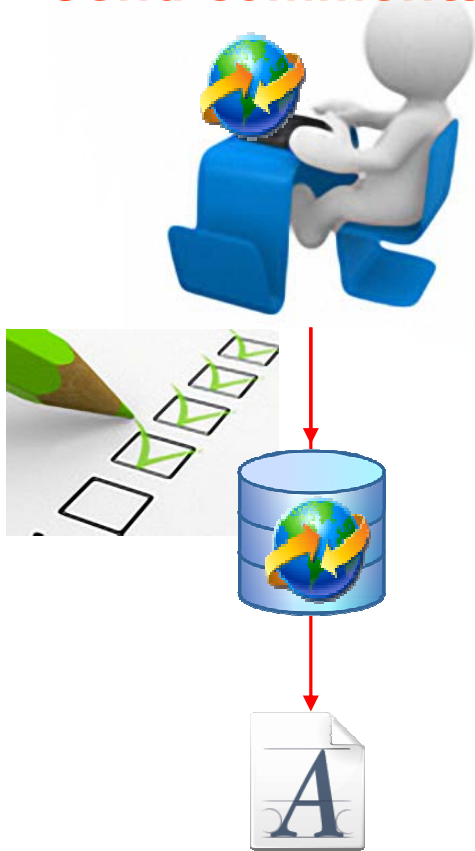
SPS_mdb

ITU-R

**Publish BR IFIC**
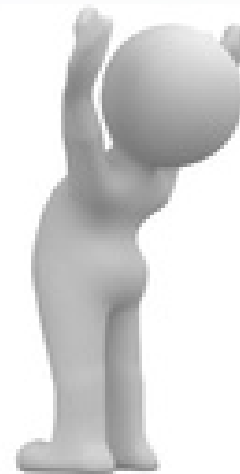**AP30*/E Part A**
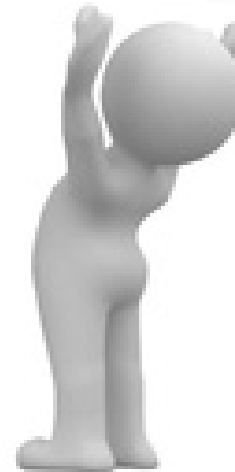
Notifying
Adm.

| Potentially Affected Adm. | ITU-R | Notifying Adm. |
|---|---|---|

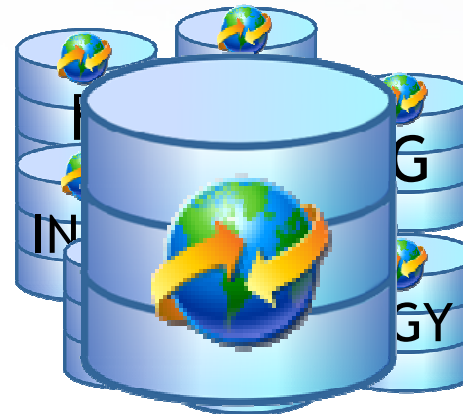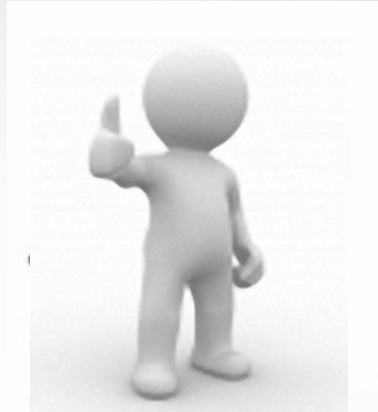**Complete, validate, Send comments file**

# 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**

- Practice in next session of the workshop

# 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**

## 2. Searching the BR IFIC (1/3)

**The main steps are:**

a.   **Insert** in the user's computer

b.   **Open each AP30/E, AP30A/E, AP30-30A/E Part A, AP30-30A/F/C or AP30B/A6A Special Section (PDF format)**

c.   **Use the Adobe Acrobat "Find" tool to search for the 3 digits abbreviation of the subject administration**

d.   **Note the name of the affecting network and the provision number**

## 2. Searching the BR IFIC (2/3)



a.

b.

## 2. Searching the BR IFIC (3/3)



c.

d.

# 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**

## 3. Using SpaceQry (1/4)

**The main steps are:**

a. **Copy the zipped SPS or A30B databases from the BR IFIC CD ROM or the ITU website to the user's computer**

b. **Un-zip the SPS or A30B databases**

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

d. **Search networks published in the BR IFIC**

e. **Select a network**

f. **Click "show coordination info"**

## 3. Using SpaceQry(2/4)



Address D:\Data\SpacePlans\SPS

Folders

- Desktop
  - My Documents
  - My Computer
    - Local Disk (C:)
    - S_IFIC_2682 (D:)
      - Acrobat
      - AsReceived
      - BR_soft
      - Data
        - Ific_data
        - SpaceCom_data
        - SpacePlans
          - AP30B
          - MSPACEg_results
          - SPS

Name

**Files Currently on the CD**

SPS_ALL_IFIC2682.zip

a.

b.

Name

readme.txt
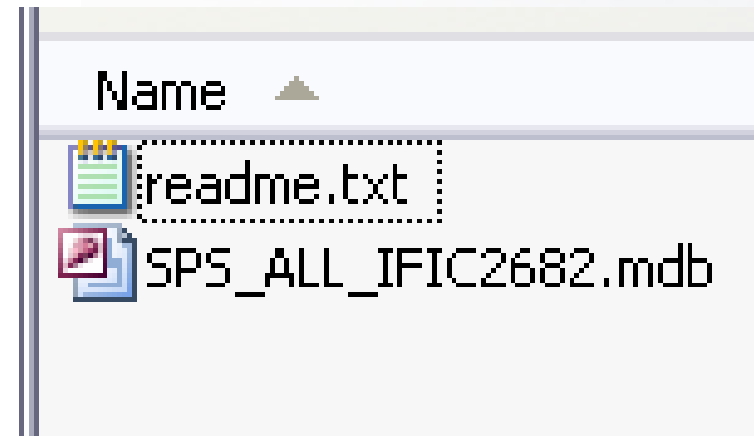
SPS_ALL_IFIC2682.mdb

## 3. Using SpaceQry(3/4)

d.

**Startup Wizard Database Selection**

Look in: IFIC_DB PLAN

SPS_ALL_IFIC2681.mdb
SPS_ALL_IFIC2682.mdb

File name: SPS_ALL_IFIC2682.mdb

Files of type: All Publication Circulars

c.

**BR Space Query and Extract System**

File   Actions   Options   Help

**Standard Query:** ( e:\br_data\space\ific_db plan\sps_all_ific2682.mdb )

| 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 : [2682]    Publication Part : [        ]

**Sorting Order**

◉ Administration    ○ Orbital Position    ○ Adm Identification    ○ BR Identification
○ Notification reason    ○ Publication Number    ○ Satellite Name    ○ BR Status

21

e.

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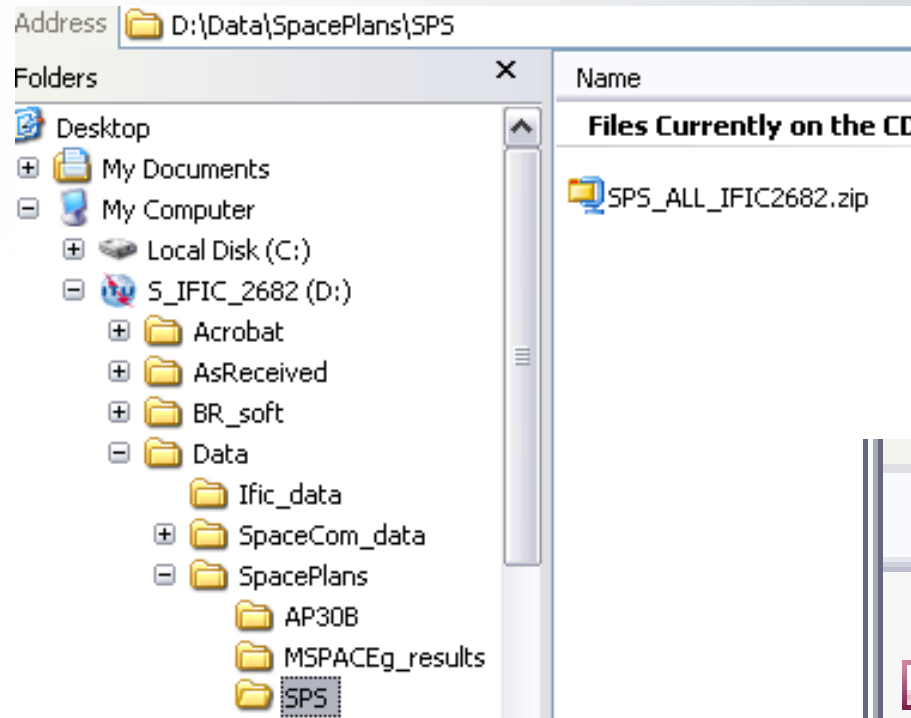
## 4. Examining the SPS or 30B databases(1/4)

**The main steps are:**

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

b.   **Un-zip the SPS/30B database**

c.   **Open the SPS/30B database using Microsoft ACCESS. Open the "tr_provn" table**

d.   **In the "adm" field, use the "filter for" tool to find the relevant records of the affected administration**

e.   **Note the notice ID, BR IFIC no. and the provision number of the affected network**

f.   **Repeat steps c) to e) with the "tr_aff_ntw" table**

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

Address D:\Data\SpacePlans\SPS

Folders ×

- Desktop
  - My Documents
  - My Computer
    - Local Disk (C:)
    - S_IFIC_2682 (D:)
      - Acrobat
      - AsReceived
      - BR_soft
      - Data
        - Ific_data
        - SpaceCom_data
        - SpacePlans
          - AP30B
          - MSPACEg_results
          - SPS

Name

**Files Currently on the CD**

SPS_ALL_IFIC2682.zip

**a.**

**b.**

Name ▲

readme.txt

SPS_ALL_IFIC2682.mdb
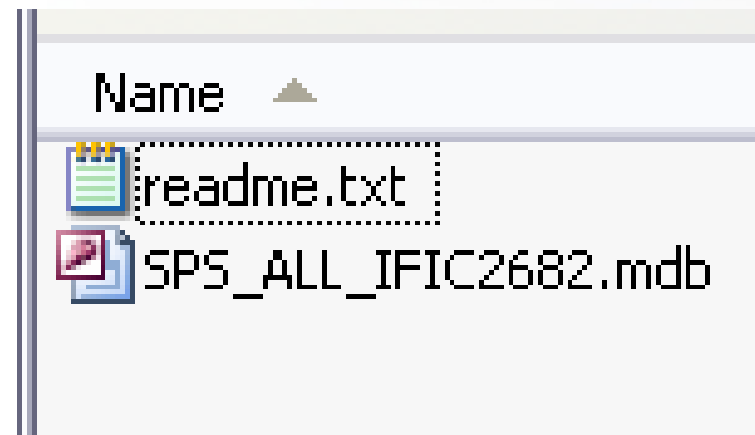
# 4. Examining the SPS or 30B databases(3/4)

c.

d.

**SPS_ALL**

All Access Objects

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

Rea...    Num Lock

| d_prov | agree_s | wic_no | seq_n | coord_st | adm | ntwk_org | ctry |
|--------|---------|--------|-------|----------|-----|----------|------|
| 4.2.3E6 | I | 2681 | 1 | | AUS | | |
| 4.2.3E6 | I | 2681 | 2 | | J | | |
| 4.2.3E7 | I | 2681 | 1 | | | | |
| 4.2.3F | I | 2681 | 1 | | | | |
| 110555003 A30A#4.1.1D | I | 2681 | 1 | | | | |
| 110555003 A30A#4.2.2A | I | 2681 | 1 | | | | |
| 110555003 A30A#4.2.2B | I | 2681 | 1 | | | | |
| 110555003 A30A#4.2.2C | I | 2681 | 1 | | ARG | | |
| 110555003 A30A#4.2.2C | I | 2681 | 2 | | ATG | | |
| 110555003 A30A#4.2.2C | I | 2681 | 3 | | B | | |
| 110555003 A30A#4.2.2C | I | 2681 | 4 | | BOL | | |
| 110555003 A30A#4.2.2C | I | 2681 | 5 | | CAN | | |
| 110555003 A30A#4.2.2C | I | 2681 | 6 | | CHL | | |
| 110555003 A30A#4.2.2C | I | 2681 | 7 | | DMA | | |
| 110555003 A30A#4.2.2C | I | 2681 | 8 | | DOM | | |
| 110555003 A30A#4.2.2C | I | 2681 | 9 | | G | | |

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

- [ ] KIR
- [ ] KNA
- [ ] KOR
- [ ] KRE
- [ ] KWT
- [x] LAO
- [ ] LBN
- [ ] LBR
- [ ] LBY
- [ ] LCA

OK    Cancel

26

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

**tr_provn**

| ntc_id | coord_prov | a | wi | | adm |
|---|---|---|---|---|---|
| 107552014 | A30#4.1.1D | N | 2605 | 4 | LAO |
| 108552014 | A30#4.1.1D | N | 2639 | 4 | LAO |
| 110552002 | A30#4.1.1A | I | 2672 | 2 | LAO |
| 110552002 | A30#4.1.1B | I | 2672 | 3 | LAO |
| 110552010 | A30#4.1.1B | I | 2682 | 4 | LAO |

**e.**

**f.**

_provn | **tr_aff_ntw**

| ntc_id | coord_prov | agree_st | aff_ntc_id | adm | ntwk_org | |
|---|---|---|---|---|---|---|
| 100520365 | 9.7 | A | 98520659 | USA | | Sort A to Z |
| 100520365 | A30#7.1 | Q | 95552047 | G | | Sort Z to A |
| 100520490 | 9.7 | A | 98520659 | USA | | |
| 100520490 | A30#7.1 | Q | 95552047 | G | | Clear filter from ad |
| 100520490 | A30#7.1 | Q | 97552044 | INS | | |
| 100520490 | A30#7.1 | Q | 97552045 | INS | | Text Filters |
| 100520491 | 9.7 | A | 98520659 | USA | | |
| 100520491 | A30#7.1 | Q | 95552047 | G | | ☐ JMC |
| 100520491 | A30#7.1 | Q | 97552044 | INS | | ☐ KAZ |
| 100520491 | A30#7.1 | Q | 97552045 | INS | | ☐ KOR |
| 101520078 | 9.7 | A | 98520659 | USA | | ☐ KRE |
| 101520078 | A30#7.1 | Q | 95552047 | G | | ☑ LAO |
| 101556001 | 9.7 | A | 98520659 | USA | | ☐ LBN |
| 101556001 | A30#7.1 | Q | 95552047 | G | | ☐ LBR |
| 101556001 | A30#7.1 | Q | 97552044 | INS | | ☐ LUX |

☐ LVA
☐ MCO

OK

27

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

1. **SpaceCom – Plan**

2. **Searching the BR IFIC**

3. **Using SpaceQry**

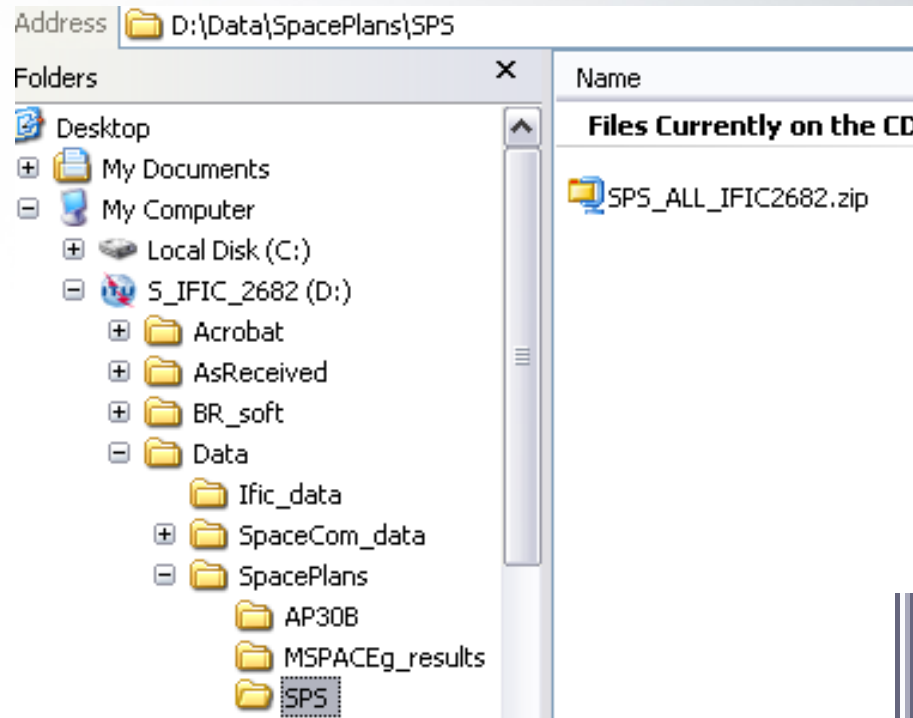4. **Examining the SPS database**

5. **Using SNS-OnLine**

28

## 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.

b.

**NEW**
**FSS Plan AP30B data**
**available as from 25 January 2011!**

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 : | 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

Submit  Cancel

30

## 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 |

| 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 | | | | |

d.

# 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/

# Your questions are welcome

Main contact person for Space Plan Services: Mitsuhiro.Sakamoto@itu.int

Presenter: Veronique.Glaude@itu.int

## Thanks!