



World Radiocommunication Seminar 2016

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BR/SSD/SSC

International Telecommunication Union



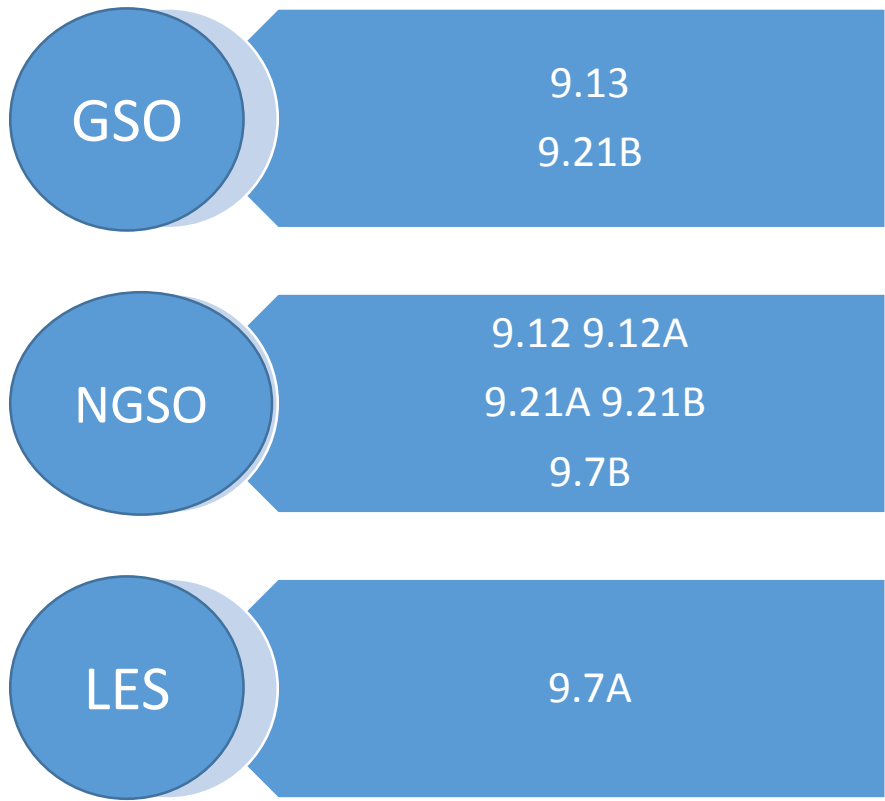
Frequency Overlap
to Establish Coordination Requirements

Forms of Coordination

No.9.6: Before BiU or Notify in cases below shall effect coordination (No.9.27/AP 5 -Table 5-1)

Cases	Provision
GSO to GSO	9.7, Art7 AP30/30A
Certain ES of GSO to NGSO	9.7A
NGSO to Certain ES of GSO	9.7B
BSS (GSO/NGSO) to Terrestrial Services	9.11, Res.539
NGSO to NGSO	9.11A/9.12
NGSO to GSO	9.11A/9.12A
GSO to NGSO	9.11A/9.13
NGSO/GSO to Terrestrial Services	9.11A/9.14
the requirement to seek the <u>agreement</u> of other administrations is included in a footnote to the Table of Allocation	9.21 A/B/C

Frequency Overlap with Space Services Exercises



BRS-SIS SpaceQry

ITU Space Information System (SNS v8) **BETA**

Select a task:

SpaceQry

- Version: 8.0.0.0
- Description: Query SNS formatted databases
- Contact: brsas@itu.int

SRS convert

Select a database:

Microsoft Access BR IFIC DVD

C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb

Browse

+ New Window

Start

Quit





✓ Selected task
SpaceQry

✓ Selected database
C:\BR_SOFT\SRS_ALL_V...

karina

SNS software V8 Beta

YOU ARE HERE [HOME](#) > [ITU-R](#) > [SOFTWARE](#) > SNS SOFTWARE V8 BETA

SHARE    

Software V8 Beta

The Radiocommunication Bureau is pleased to inform your Administration that a restructured Space Network System database version 8.0 (SNS 8.0) and an accompanying software package of updated electronic notification software applications (Space Applications Manager (SAM), capture (SpaceCap), query (SpaceQry), conversion (SRSCConvert), GIBC, publication (SpacePub) and validation (SpaceVal)) of BRsoft version 8.0 (BRsoft 8.0), fully reflecting all the modifications and additions made by WRC-15 to Appendix 4, are available for download from the link below.

As from 1 January 2017, administrations are required to use the new BRsoft 8.0 when submitting space service notices to the Bureau under Articles 9 and 11 and Appendices 30, 30A and 30B of the Radio Regulations, Resolutions 49, 552 and 553.

More details will be provided in circular letter CR/411 (available soon).

Download	Description	Size	Date
BR_Soft_v8.zip	Beta Global Setup v8	357 MB	14/12/2016
Latest Updates			
InstallSpaceComDemo.exe	SpaceCom demo installation	4.47 MB	02/12/2016
GIBC_10_0_0_2.exe	Graphical Interface for Batch Calculations installation	62.3 MB	09/12/2016
Install_BR-SIS_v8.exe	BR Space Information System installation	113 MB	15/12/2016
GIMS 11 Beta	Graphical Interference Management System	38 MB	13/12/2016
Documents			
SNS_V8_Changes.pdf	SNS database changes from V7 to V8	5.8 MB	08/12/2016

100%

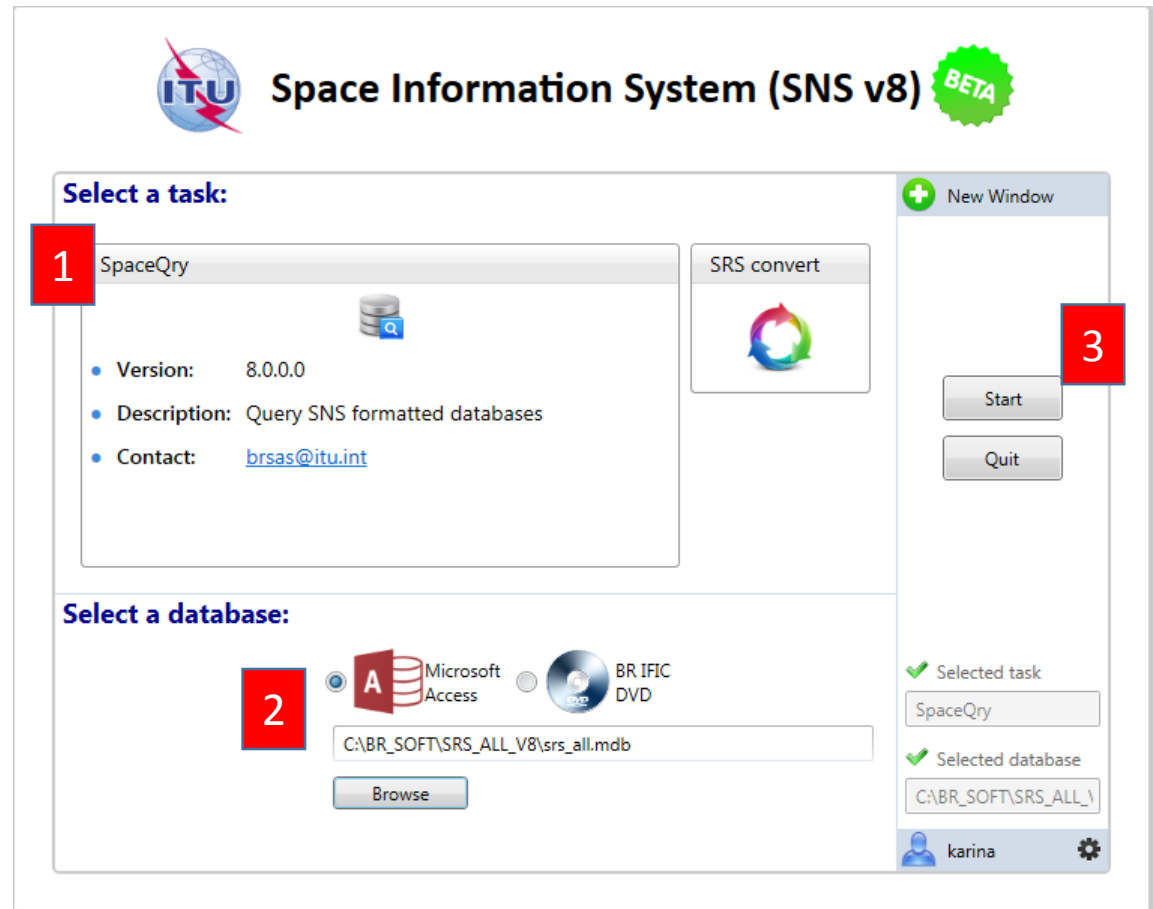
Setup SpaceQry

1. Select “SpaceQry”

2. Select a database

- Select Microsoft access
- Browse and Find the directory where
“srs_all.mdb” is located

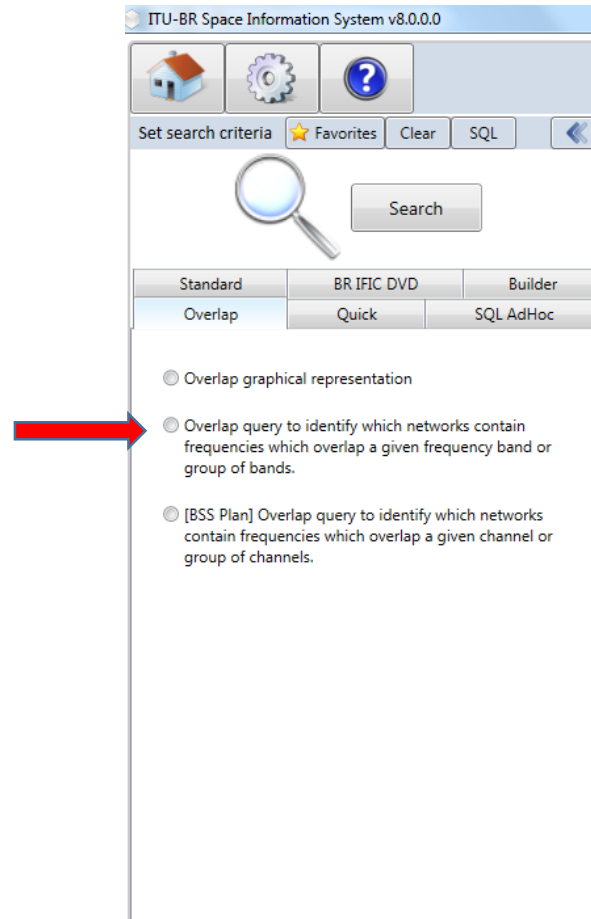
3. Click Start



Note: in USB Key, the srs_all database is in this directory:
D:\BRIFIC-2834\Space\Databases_v8\SRS_Data, under the name srs2834.mdb

Overlap Tab

Select Overlap query
To identify which networks
contain frequency which
overlap a given frequency band
or group of bands



Exercise 1



Set search criteria ★ Favorites Clear SQL

Search

Standard BR-IFIC DVD Builder
Overlap Quick SQL AdHoc

Overlap query to identify which networks contain frequencies which overlap a given frequency band or group of bands.

Criteria associated with the selection

1 Notice Id. 116520160 2

Sat. name: LUX-G11-7
Type of notice: Coordination Status: 50
Adm./Org. LUX Orb. pos.: 23.5E Orb. type: G

Frequency criteria

Network frequency bands (non-overlapping)

Freq. Min. (MHz)	Freq. Max. (MHz)
235	322
335.4	399.9
1467	1492
1525	1559

Included frequency bands


Freq. Min. (MHz)	Freq. Max. (MHz)

3

Task: SpaceQry Database: C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb

20:33 01/12/2016

Input Data

1. Enter network ID (for this exercise 116520160)
2. Click refresh 
3. Select/Enter frequency band (for this exercise enter value 387 – 390 MHz)

ITU-BR Space Information System v8.0.0.0

Set search criteria Favorites Clear SQL

1525 1559

Included frequency bands

Freq. Min. (MHz)	Freq. Max. (MHz)
387	390

Include network freq. Yes No Logical AND

More criteria...

Notice level

Date of receipt 26/05/2016 = <= >=

Orbital longitude delta (degrees)

Beam level

Emission Reception

Group level

Findings: Favorable Unfav. Unspecified

Publication: BR IFIC No

Date of effective protection

Date = <= >=

Task: SpaceQry Database: C:\BR_SOFT\SRS_ALL_V8\srs2834.mdb

17:19
15/12/2016

Input Data

1. Include network freq, Select "No"
2. Enter Date of receipt (for this exercise: <= 26/05/2016)
3. Click Search

Select for Data Grid Setting

The screenshot displays the ITU-BR Space Information System v8.0.0.0 interface. The search panel on the left includes a search bar with a magnifying glass icon and a 'Search' button. Below it, there are filters for 'included frequency bands' (387-390 MHz) and 'Include network freq.' (Yes selected). The 'More criteria...' section contains filters for 'Notice level' (Date of receipt: 26/05/2016), 'Beam level' (Emission and Reception), 'Group level' (Findings: Favorable, Unfav., Unspecified), 'Publication' (BR IFIC No), and 'Date of effective protection'.

The main data grid shows 10,302 rows of search results. The columns are: Type_of_notice, ntc_id, ntc_type, prov, adm, ntwk_org, ctry, and d_rcv. A red arrow points to the 'More criteria...' button in the search panel.

Type_of_notice	ntc_id	ntc_type	prov	adm	ntwk_org	ctry	d_rcv
Advance publication	112541248	G	9.1/1B	ALG			29.11.2012
Coordination	113520121	G	9.6	ALG			29.05.2013
Advance publication	112541249	G	9.1/1B	ALG			20.11.2014
Coordination	114520218	G	9.6	ALG			18.02.2015
Advance publication	115545046	N	9.1/1A	ALG			02.06.2015
Advance publication	107540067	N	9.1/1A	ALG			22.02.2007
Notification	108500677	N	11.2	ALG			20.04.2008
Advance publication	115545087	N	9.1/1A	ARG			04.12.2015
Advance publication	109540424	G	9.1/1B	ARG			29.05.2009
Coordination	110520406	G	9.6	ARG			23.05.2012
Advance publication	112541005	G	9.1/1B	ARG			12.09.2012
Coordination	113520066	G	9.6	ARG			27.03.2013
Advance publication	112541058	G	9.1/1B	ARG			23.10.2012
Advance publication	114540716	G	9.1/1B	ARG			27.11.2014
Coordination	115520101	G	9.6	ARG			27.05.2015
Advance publication	114540717	G	9.1/1B	ARG			27.11.2014
Coordination	115520102	G	9.6	ARG			27.05.2015
Advance publication	114540718	G	9.1/1B	ARG			27.11.2014
Coordination	115520103	G	9.6	ARG			27.05.2015
Advance publication	114540175	N	9.1/1A	ARG			25.06.2014
Advance publication	113540573	N	9.1/1A	ARG			12.09.2013
Advance publication	97541095	N	9.1/1B	ARG			20.06.1997

Data Grid Settings

- 1. Select "Filter DropDown Lists"
- 2. Select Checked
- 3. Select "Save changes and close"

The screenshot shows the 'Data Grid Settings' window. On the left sidebar, the 'Filter DropDown Lists' option is selected, indicated by a red box with the number '1'. In the main content area, under the heading 'Regular and Checked Filter Dropdown Lists', the 'Checked' radio button is selected, indicated by a red box with the number '2'. At the top right, the 'Save changes and close' button is highlighted with a red box and the number '3'. Below the heading, there is a text description: 'The filter dropdown can be represented as a regular list of items (one item at a time can be selected) or as a checked list (multiple items can be selected/checked simultaneously)'. Two preview tables are shown: 'Regular Filter Dropdown List' and 'Checked Filter Dropdown List'. The 'Regular Filter Dropdown List' shows a list of items with one item selected. The 'Checked Filter Dropdown List' shows a list of items with multiple items checked.

adm	ntwk_o
INS	(Blanks)
J	(Non blanks)
ARS	AFS
CHN	ARG
CHN	ARM
CHN	ARS
CHN	AUS
CHN	AZE
CHN	B
CHN	BEL
CHN	BGD
B	BLR
B	BOL
B	BRU
B	RII

adm	ntwk_org
AUS	(Select All)
AUS	<input checked="" type="checkbox"/> AFS
AUS	<input type="checkbox"/> ARG
B	<input checked="" type="checkbox"/> ARM
B	<input type="checkbox"/> ARS
B	<input checked="" type="checkbox"/> AUS
B	<input type="checkbox"/> AZE
B	<input checked="" type="checkbox"/> B
B	<input type="checkbox"/> BEL
AUS	<input type="checkbox"/> BGD
AUS	<input type="checkbox"/> BLR
AUS	<input type="checkbox"/> BOL
AUS	<input type="checkbox"/> BRU
B	<input type="checkbox"/> RII

Filter as necessary

Only "Notification and Coordination"

Only "N"

ITU-BR Space Information System v8.0.0.0

Set search criteria Favorites Clear SQL

Overlap

Results: 10,302 rows found in srs_all.mdb

Type_of_notice	ntc_id	ntc_type	prov	adm	ntwk_org	ctry	d_rcv
Advance publication	112541248	G	9.1/TB	ALG			29.11.2012
Coordination	113520121	G	9.6	ALG			29.05.2013
Advance publication	112541249	G	9.1/TB	ALG			20.11.2014
Coordination	114520218	G	9.6	ALG			18.02.2015
Advance publication	115545046	N	9.1/TA	ALG			02.06.2015
Advance publication	107540067	N	9.1/TA	ALG			22.02.2007
Notification	108500677	N	11.2	ALG			20.04.2008
Advance publication	115545087	N	9.1/TA	ARG			04.12.2015
Advance publication	109540424	G	9.1/TB	ARG			29.05.2009
Coordination	110520406	G	9.6	ARG			23.05.2012
Advance publication	112541005	G	9.1/TB	ARG			12.09.2012
Coordination	113520066	G	9.6	ARG			27.03.2013
Advance publication	112541058	G	9.1/TB	ARG			23.10.2012
Advance publication	114540716	G	9.1/TB	ARG			27.11.2014
Coordination	115520101	G	9.6	ARG			27.05.2015
Advance publication	114540717	G	9.1/TB	ARG			27.11.2014
Coordination	115520102	G	9.6	ARG			27.05.2015
Advance publication	114540718	G	9.1/TB	ARG			27.11.2014
Coordination	115520103	G	9.6	ARG			27.05.2015
Advance publication	114540175	N	9.1/TA	ARG			25.06.2014
Advance publication	113540573	N	9.1/TA	ARG			12.09.2013
Advance publication	97541095	N	9.1/TB	ARG			20.06.1997

Task: SpaceQry Database: C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb

EN 20:55 01/12/2016

List of Administrations under 9.13 and 9.21/B: ARG, CAN, E, RUS

The screenshot shows the ITU-BR Space Information System v8.0.0.0 interface. The search criteria on the left include:

- Included frequency bands: 1525 to 1559 MHz
- Selected band: 387 to 390 MHz
- Include network freq: No
- Notice level: Date of receipt: 26/05/2016
- Beam level: Emission, Reception
- Group level: Findings: Favorable, Unfav., Unspecified
- Publication: BR IFIC No: []
- Date of effective protection: []

The search results table shows 6 rows found in srs_all.mdb. The columns are: Type_of_notice, ntc_id, ntc_type, prov, adm, ntwk_org, ctry, and d_rcv. A red arrow points to the 'adm' column.

Type_of_notice	ntc_id	ntc_type	prov	adm	ntwk_org	ctry	d_rcv
Notification	107500106	N	11.2	ARG			25.11.2008
Coordination	113520282	N	9.6	CAN			06.01.2015
Notification	105500142	N	11.2	E			09.02.2007
Notification	101500568	N	11.2	RUS			20.07.2001
Notification	108500573	N	11.2	RUS			16.02.2010
Notification	111500091	N	11.2	RUS			16.12.2011

The search criteria at the bottom of the window are: [x] [ntc_type] In ('N') And [Type_of_notice] In ('Coordination', 'Notification') And [st_cur] In ('50')

List of Satellite Networks

ITU-BR Space Information System v8.0.0.0

Set search criteria Favorites Clear SQL

Search

1525 1559

Included frequency bands

Freq. Min. (MHz)	Freq. Max. (MHz)
387	390

Include network freq. Yes No Logical AND

More criteria...

Notice level

Date of receipt 26/05/2016 = <= >=

Orbital longitude delta (degrees)

Beam level

Emission Reception

Group level

Findings: Favorable Unfav. Unspecified

Publication: BR IFIC No

Date of effective protection

Date = <= >=

Overlap

Results: 6 rows found in srs_all.mdb

ctry	d_rcv	wic_no	ntf_rsn	sat_name	long_nom	st_cur	plan_id
	25.11.2008		2742 N	LATINSAT		50	
	06.01.2015		2815 C	CANPOL-2		50	
	09.02.2007		2655 N	NANOSAT-1		50	
	20.07.2001		2534 N	GONETS		50	
	16.02.2010		2688 N	GONETS-M		50	
	16.12.2011		2721 N	SELENA		50	

Export SQL

[ntc_type] In ('N') And [Type_of_notice] In ('Coordination', 'Notification') And [st_cur] In ('50')

Description of column 'Type_of_notice'

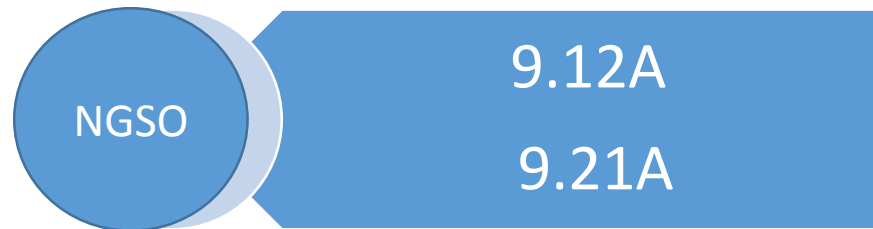
Task: SpaceQty Database: C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb

11:04 02/12/2016

Exercise 2



Exercise 2-1



ITU-BR Space Information System v8.0.0.0

Set search criteria Favorites Clear SQL

Search

Standard BR IFIC DVD Builder
Overlap Quick SQL AdHoc

Overlap query to identify which networks contain frequencies which overlap a given frequency band or group of bands.

Criteria associated with the selection

Notice Id. 115520119

Sat. name: COURIER-3
Type of notice: Coordination Status: 50
Adm./Org. D Orb. pos.: Orb. type: N

Frequency criteria

Network frequency bands (non-overlapping)

Freq. Min. (MHz)	Freq. Max. (MHz)
1610.2	1611.3
1611.45	1612.55
1612.7	1613.8
1613.95	1615.05

Included frequency bands

Freq. Min. (MHz)	Freq. Max. (MHz)
1610.2	1611.3

Task: SpaceQry Database: C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb

Input Data

1. Enter network ID (for this exercise 115520119)
2. Click refresh
3. Select/Enter frequency band (for this exercise enter value 1610.2 - 1611.3MHz)

Taskbar: EN 11:24 02/12/2016

ITU-BR Space Information System v8.0.0.0

Set search criteria ★ Favorites Clear SQL

Search

Included frequency bands	
Freq. Min. (MHz)	Freq. Max. (MHz)
1610.2	1611.3

Include network freq. Yes No Logical AND

More criteria...

Notice level
Date of receipt: 10/02/2016 = <= >=

Orbital longitude delta (degrees)

Beam level
 Emission Reception

Group level
Findings: Favorable Unfav. Unspecified

Publication: BR IFIC No

Date of effective protection
Date = <= >=

Query results based on...

Task: SpaceQry Database: C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb

Input Data

1. Include network freq, Select "No"
2. Enter Date of receipt (for this exercise: 10/02/2016)
3. Click Search

Task: SpaceQry Database: C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb

EN 11:24 02/12/2016

List of Administrations under 9.12A and 9.21/A: ARS/ARB, AUS, CHN, HOL, LUX, MLA, UAE

Task: SpaceQry Database: C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb

Type_of_notice	ntc_id	ntc_type	prov	adm	ntwk_org	ctry	d_rcv
Coordination	113520193	G	9.6	ARS	ARB		22.08.2013
Notification	100500300	G	11.2	AUS			16.03.2006
Notification	109500876	G	11.2	CHN			11.11.2009
Notification	109500877	G	11.2	CHN			11.11.2009
Notification	107500478	G	11.2	CHN			11.11.2009
Notification	110500133	G	11.2	CHN			14.05.2010
Notification	110500134	G	11.2	CHN			14.05.2010
Notification	110500115	G	11.2	CHN			23.04.2010
Notification	110500135	G	11.2	CHN			14.05.2010
Coordination	101520012	G	9.6	CHN			18.02.2012
Notification	103500418	G	11.2	CHN			11.11.2009
Coordination	101520013	G	9.6	CHN			18.02.2012
Notification	103500419	G	11.2	CHN			05.01.2010
Coordination	105520009	G	9.6	CHN			18.02.2012
Notification	109500803	G	11.2	CHN			16.12.2010
Coordination	101520010	G	9.6	CHN			18.02.2012
Notification	103500416	G	11.2	CHN			18.11.2009
Coordination	114520052	G	9.6	CHN			25.02.2014
Coordination	101520011	G	9.6	CHN			18.02.2012
Notification	103500417	G	11.2	CHN			21.12.2009
Coordination	111520204	G	9.6	CHN			18.02.2012
Coordination	111520203	G	9.6	CHN			18.02.2012

Query: [ntc_type] In ('G') And [Type_of_notice] In ('Coordination', 'Notification') And [st_cur] In ('50')

List of Satellite Networks

ITU-BR Space Information System v8.0.0.0

Set search criteria Favorites Clear SQL

Search

Included frequency bands

Freq. Min. (MHz)	Freq. Max. (MHz)
1610.2	1611.3

Include network freq. Yes No Logical AND

More criteria...

Notice level

Date of receipt 10/02/2016 = <= >=

Orbital longitude delta (degrees)

Beam level

Emission Reception

Group level

Findings: Favorable Unfav. Unspecified

Publication: BR IFIC No

Date of effective protection

Date = <= >=

Query results based on...

Task SpaceQry Database: C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb

Overlap

Results: 72 rows found in srs_all.mdb

d_rcv	wic_no	ntf_rsn	sat_name	long_nom	st_cur	plan_id	f_aa_type
22.08.2013	2774	C	ARABSAT 8I-39E	39	50		
16.03.2006	2789	N	AUSSAT B 164E	164	50		
11.11.2009	2680	N	CHINASAT-31	80	50		
11.11.2009	2680	N	CHINASAT-32	140	50		
11.11.2009	2680	N	CHINASAT-33	110.5	50		
14.05.2010	2694	N	CHINASAT-34A	79.6	50		
14.05.2010	2694	N	CHINASAT-34B	84	50		
23.04.2010	2693	N	CHINASAT-35B	140.4	50		
14.05.2010	2694	N	CHINASAT-35C	144.5	50		
18.02.2012	2741	C	COMPASS-110.5E	110.5	50		
11.11.2009	2681	N	COMPASS-110.5E	110.5	50		
18.02.2012	2741	C	COMPASS-140E	140	50		
05.01.2010	2684	N	COMPASS-140E	140	50		
18.02.2012	2741	C	COMPASS-160E	160	50		
16.12.2010	2701	N	COMPASS-160E	160	50		
18.02.2012	2741	C	COMPASS-58.75E	58.75	50		
18.11.2009	2687	N	COMPASS-58.75E	58.75	50		
25.02.2014	2826	C	COMPASS-80.3E	80.3	50		
18.02.2012	2741	C	COMPASS-80E	80	50		
21.12.2009	2689	N	COMPASS-80E	80	50		
18.02.2012	2741	C	COMPASS-B-144.5E	144.5	50		
18.02.2012	2741	C	COMPASS-B-84E	84	50		

Export SQL

[Intc_type] In ('G') And [Type_of_notice] In ('Coordination', 'Notification') And [st_cur] In ('50')

Description of column 'Type_of_notice'

Solve PC issues: 2 messages

11:29 02/12/2016

Exercise 2-2



9.7A

specific large earth station
with respect to any existing
non-GSO satellite systems

9.7B

FSS non-GSO satellite
systems with respect to
specific large earth station

Resolution 85 (WRC-03)

Frequency Overlap

CR / 414 (Dec 2016)

EPFD

ITU-BR Space Information System v8.0.0.0

Set search criteria Favorites Clear SQL

Search

Notice Id. 115520104

Sat. name: NORSAT-H1
Type of notice: Coordination Status: 50
Adm./Org. NOR Orb. pos. Orb. type: N

Frequency criteria

Network frequency bands (non-overlapping)

Freq. Min. (MHz)	Freq. Max. (MHz)
12500	12750
13750	14500
17700	18600
18800	20200

Included frequency bands

Freq. Min. (MHz)	Freq. Max. (MHz)
10950	11200
11450	11700
17800	18600

Include network freq. Yes No Logical AND

More criteria...
Query results based on...

Task: SpaceQry Database: C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb

Input Data

1. Enter network ID (for this exercise 115520104)
2. Click refresh
3. Select/Enter frequency band (for this exercise enter value 10950 – 11200, 11450 – 11700, 17800 – 18600 MHz)
4. Date of receipt: 01/06/2015

Taskbar: EN 09:25 04/12/2016

1. Click SQL
2. Click Use it in AdHoc

The screenshot displays the ITU-BR Space Information System v8.0.0.0 interface. On the left, a search panel includes a search bar, a table for frequency ranges (10950-11200, 11450-11700, 17800-18600 MHz), and various filter options like 'Include network freq.' and 'More criteria...'. A red box with the number '1' highlights the 'SQL' button in the top navigation bar.

The main window shows a table with 6,061 rows. The columns are: Type_of_notice, ntc_id, ntc_type, prov, adm, ntwk_org, ctry, and d_rcv. A dialog box titled 'Generated SQL Query' is open, showing a complex SQL query. A red box with the number '2' highlights the 'Use it in AdHoc' button within this dialog.

The SQL query is as follows:

```
SELECT " as Type_of_notice, com_el_ntc_id, com_el_ntc_type, com_el_prov, com_el_adm, com_el_ntwk_org, com_el_ctry, com_el_d_rcv, com_el_wic_no, com_el_ntf_rsn, com_el_sat_name, com_el_long_nom, com_el_st_cur, com_el_plan_id, notice_f_aa_type FROM com_el INNER JOIN notice ON com_el_ntc_id = notice.ntc_id WHERE (((com_el_ntc_type = 'G') OR (com_el_ntc_type = 'N')) AND (com_el_adm is null OR com_el_adm <> 'NOR') AND ((com_el_d_rcv <=#2015-6-1#) AND com_el_ntc_id in (SELECT DISTINCT ntc_id FROM freq WHERE
```



Set search criteria Favorites Clear

Overlap Overlap Overlap Overlap



Search

Standard BR IFIC DVD Builder
Overlap Quick SQL AdHoc

SQL Editor

Calibri 11

```
SELECT " as Type_of_notice, com_el.ntc_id, com_el.ntc_type, com_el.prov, com_el.adm,
com_el.ntwk_org, com_el.ctry, com_el.d_rcv, com_el.wic_no, com_el.ntf_rsn, com_el.sat_name,
com_el.long_nom, com_el.st_cur, com_el.plan_id, notice.f_aa_type FROM com_el INNER JOIN
```

ntwk_org	ctry	d_rcv
		29.11.2012
		29.05.2013
		20.11.2014
		18.02.2015
		29.05.2009
		23.05.2012
		12.09.2012
		27.03.2013
		27.03.2013
		23.10.2012
		27.11.2014
		27.05.2015
		27.11.2014
		27.05.2015
		27.11.2014
		27.05.2015
		03.01.2001
		07.01.2015
		05.08.2008
		25.04.2003
		18.10.2012
		18.04.2013
		23.06.2009

Type your query here:

```
SELECT '' as Type_of_not
com_el.ntc_type, com_el
com_el.ntwk_org, com_el
com_el.wic_no, com_el.nt
com_el.sat_name, com_el
com_el.st_cur, com_el.pl
notice.f_aa_type FROM co
notice ON com_el.ntc_id
WHERE (((com_el.ntc_type
(com_el.ntc_type = 'N'))
null OR com_el.adm <> 'N
((com_el.d_rcv<=#2015-6-
com_el.ntc_id in (SELECT
```

```
SELECT " as Type of notice, com el.ntc id, com el.ntc type, com el.prov, com el.adm,
com el.ntwk org, com el.ctry, com el.d rcv, com el.wic no, com el.ntf rsn, com el.sat name,
com el.long nom, com el.st cur, com el.plan id, notice.f aa type FROM com el INNER JOIN notice
ON com el.ntc id = notice.ntc id WHERE (((com el.ntc type = 'G S') OR (com el.ntc type = 'N')) AND
(com el.adm is null OR com el.adm <> 'NOR') AND ((com el.d rcv<=#2015-6-1#)) AND com el.ntc id
in (SELECT DISTINCT ntc_id FROM freq WHERE (((freq_max > 10950 AND freq_min < 11200) OR
(freq_max > 11450 AND freq_min < 11700) OR (freq_max > 17800 AND freq_min < 18600)))))) ORDER
BY com el.adm, com el.ntwk org, com el.sat name, com el.stn name, com el.ntf rsn
```

AdHoc Query helper

OK Cancel

Advance publication	109540504	G	9.1/18	ARS
Description of column 'Type_of_notice'				

Task: SpaceQry Database: D:\BRIFIC-2834\Space\Databases_v8\SRS_Data\srs2834.mdb



Filter as necessary

Task: SpaceQry Database: D:\BRIFIC-2834\Space\Databases_v8\SRS_Data\srs2834.mdb

Type_of_notice	ntc_id	ntc_type	prov	adm	ntwk_org	ctry	d_rcv
	95500467	S	RR1488	ARS		ARS	19.10.1998
	107520322	S	9.7A	AUS		AUS	16.11.2007
	109500076	S	11.2	AUS		AUS	12.03.2009
	96520567	S	9.6	AUS		AUS	16.06.2000
	107500318	S	11.2	AUS		AUS	20.07.2007
	96520568	S	9.6	AUS		AUS	16.06.2000
	107500319	S	11.2	AUS		AUS	20.07.2007
	96520569	S	9.6	AUS		AUS	16.06.2000
	107500320	S	11.2	AUS		AUS	20.07.2007
	96520570	S	9.6	AUS		AUS	16.06.2000
	107500321	S	11.2	AUS		AUS	20.07.2007
	90502889	S	RR1488	AUT		AUT	18.02.1985
	100500140	S	RR1488	BEL		BEL	25.04.2000
	103500306	S	11.2	BEL		BEL	16.06.2003
	103500305	S	11.2	BEL		BEL	14.04.2005
	102500444	S	11.2	BEL		BEL	20.12.2002
	107500202	S	11.2	BEL		BEL	13.07.2007
	105500429	S	11.2	CAN		CAN	08.04.2010
	105500426	S	11.2	CAN		CAN	08.04.2010
	105500431	S	11.2	CAN		CAN	08.04.2010
	105500428	S	11.2	CAN		CAN	08.04.2010
	105500430	S	11.2	CAN		CAN	08.04.2010

[prov] In ('9.7A', '11.2', '9.6', 'REVADM', 'RR1488')

Description of column 'Type_of_notice'

List of Administrations

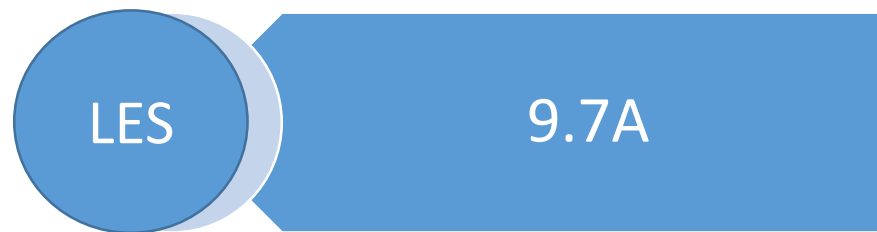
List of Large Earth Stations

Task: SpaceQry Database: C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb

```
SELECT com_el.ntc_id, com_el.ntc_type, com_el.prov, com_el.adm, com_el.ntwk_org, com_el.ctry, com_el.d_rcv, com_el.wic_no, com_el.ntf_rsn, com_el.sat_name, com_el.long_nom, com_el.st_cur, com_el.plan_id, notice.f_aa_type FROM com_el INNER JOIN notice ON com_el.ntc_id = notice.ntc_id WHERE (((com_el.ntc_type = 'S')) AND (com_el.adm is null OR com_el.adm <> 'NOR') AND ((com_el.d_rcv<=#2015-6-1#) AND com_el.ntc_id in (SELECT DISTINCT ntc_id FROM freq WHERE (((freq_max > 10950 AND freq_min < 11200) OR (freq_max > 11450 AND
```

_org	ctry	d_rcv	wic_no	ntf_rsn	sat_name	long_nom	st_cur	pl
	AUS	16.11.2007		2624 D	DEF-R-SAT-4B 121...	121	50	
	USA	08.04.2008		2624 D	USCSID-A1		0	50
	USA	08.04.2008		2624 D	USCSID-E1		-10	50
	USA	08.04.2008		2624 D	USCSID-E2		-13	50
	USA	08.04.2008		2624 D	USCSID-E3		-24	50
	USA	08.04.2008		2624 D	USCSID-E4		-30	50
	USA	08.04.2008		2624 D	USCSID-W1		-141	50
	USA	08.04.2008		2624 D	USCSID-W1		-141	50
	USA	08.04.2008		2624 D	USCSID-W1		-141	50
	USA	08.04.2008		2624 D	USCSID-W2		-144	50
	USA	08.04.2008		2624 D	USCSID-W2		-144	50
	USA	08.04.2008		2624 D	USCSID-W2		-144	50
	USA	04.04.2008		2624 D	USDKH2		-30.4	50

Exercise 3



ITU-BR Space Information System v8.0.0.0

Set search criteria Favorites Clear SQL

Search

Notice Id. 108520079

Sat. name: USCSID-A1 Str. name: NHTS-A1
Type of notice: Coordination Status: 50
Adm./Org. USA Orb. pos.: 0E Orb. type: S

Frequency criteria

Network frequency bands (non-overlapping)

Freq. Min. (MHz)	Freq. Max. (MHz)
18000	21200

Included frequency bands

Freq. Min. (MHz)	Freq. Max. (MHz)
------------------	------------------

Include network freq. Yes No Logical AND

More criteria...

Notice level

Date of receipt

Task: SpaceQry Database: C:\BR_SOFTWARE\SRS_ALL_V8\srs_all.mdb

Input Data

1. Enter network ID (for this exercise 108520079)
2. Click refresh
3. Select/Enter frequency band (for this exercise enter value 19700 - 20200 MHz)
4. Date of receipt: 16/12/2016

Select/Enter frequency band

Use Predefined values (MHz)

Enter values (MHz)

Freq. Min.: 19700

Freq. Max.: 20200

OK Cancel

EN 20:42 04/12/2016

RESULTS

ITU-BR Space Information System v8.0.0.0

Set search criteria Favorites Clear SQL

Search

Criteria associated with the selection

Notice Id: 108520079

Sat. name: USCSID-A1 Stn. name: NHTS-A1
Type of notice: Coordination Status: 50
Adm./Org. USA Orb. pos.: OE Orb. type: S

Frequency criteria

Network frequency bands (non-overlapping)

Freq. Min. (MHz)	Freq. Max. (MHz)
18000	21200

Included frequency bands

Freq. Min. (MHz)	Freq. Max. (MHz)
19700	20200

Include network freq. Yes No Logical AND

More criteria...

Notice level

Task: SpaceQty Database: C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb

Overlap

Results: 129 rows found in srs_all.mdb

Type_of_notice	ntc_id	ntc_type	prov	adm	ntwk_org	ctry	d_rcv
Notification	98500154	S	RR1488	ARS		ARS	09.11.1998
Coordination	107520322	S	9.7A	AUS		AUS	16.11.2007
Notification	109500076	S	11.2	AUS		AUS	12.03.2009
Coordination	96520567	S	9.6	AUS		AUS	16.06.2000
Notification	107500318	S	11.2	AUS		AUS	20.07.2007
Coordination	96520568	S	9.6	AUS		AUS	16.06.2000
Notification	107500319	S	11.2	AUS		AUS	20.07.2007
Coordination	96520569	S	9.6	AUS		AUS	16.06.2000
Notification	107500320	S	11.2	AUS		AUS	20.07.2007
Coordination	96520570	S	9.6	AUS		AUS	16.06.2000
Notification	107500321	S	11.2	AUS		AUS	20.07.2007
Notification	105500429	S	11.2	CAN		CAN	08.04.2010
Notification	105500426	S	11.2	CAN		CAN	08.04.2010
Notification	105500431	S	11.2	CAN		CAN	08.04.2010
Notification	105500428	S	11.2	CAN		CAN	08.04.2010
Notification	105500430	S	11.2	CAN		CAN	08.04.2010
Notification	105500427	S	11.2	CAN		CAN	08.04.2010
Notification	97500233	S	RR1488	CAN		CAN	28.03.2002
Notification	97500234	S	RR1488	CAN		CAN	28.03.2002
Notification	97500235	S	RR1488	CAN		CAN	28.03.2002
Notification	97500236	S	RR1488	CAN		CAN	28.03.2002
Notification	97500237	S	RR1488	CAN		CAN	28.03.2002

Description of column 'Type_of_notice'

Set search criteria Favorites Clear

Overlap AdHoc Overlap

Results: 129 rows found in srs_all.mdb

SQL Editor

Calibri 11

```

SELECT ' ' as Type_of_notice, com_el.ntc_id,
com_el.ntc_type, com_el.prov, com_el.adm,
com_el.ntwk_org, com_el.ctry, com_el.d_rcv,
com_el.wic_no, com_el.ntf_rsn,
com_el.sat_name, com_el.long_nom,
com_el.st_cur, com_el.plan_id,
notice.f_aa_type FROM com_el INNER JOIN
notice ON com_el.ntc_id = notice.ntc_id
WHERE (((com_el.ntc_type = 'S') OR
(com_el.ntc_type = 'T')) AND (com_el.adm is
null OR com_el.adm <> 'USA') AND (com_el.ctry
is null OR com_el.ctry <> 'USA') AND
((com_el.d_rcv<=#2016-12-16#) AND
SELECT ' ' as Type_of_notice, com_el.ntc_id, com_el.ntc_type, com_el.prov, com_el.adm,
com_el.ntwk_org, com_el.ctry, com_el.d_rcv, com_el.wic_no, com_el.ntf_rsn, com_el.sat_name,
com_el.long_nom, com_el.st_cur, com_el.plan_id, notice.f_aa_type FROM com_el INNER JOIN notice
ON com_el.ntc_id = notice.ntc_id WHERE (((com_el.ntc_type = 'S') OR (com_el.ntc_type = 'T'))
AND (com_el.adm is null OR com_el.adm <> 'USA') AND (com_el.ctry is null OR com_el.ctry <> 'USA')
AND ((com_el.d_rcv<=#2016-12-16#)) AND com_el.ntc_id in (SELECT DISTINCT ntc_id FROM freq
WHERE (((freq_max > 18000 AND freq_min < 21200)))))) ORDER BY com_el.adm, com_el.ntwk_org,
com_el.sat_name, com_el.stn_name, com_el.ntf_rsn
    
```

ctry	d_rcv
ARS	09.11.1998
AUS	16.11.2007
AUS	12.03.2009
AUS	16.06.2000
AUS	20.07.2007
AUS	16.06.2000
AUS	20.07.2007
AUS	16.06.2000
AUS	20.07.2007
AUS	16.06.2000
AUS	20.07.2007
AUS	16.06.2000
AUS	20.07.2007
CAN	08.04.2010
CAN	08.04.2010
CAN	08.04.2010
CAN	08.04.2010
CAN	08.04.2010
CAN	28.03.2002
CAN	28.03.2002
CAN	28.03.2002
CAN	28.03.2002
CAN	28.03.2002
CAN	28.03.2002
CAN	28.03.2002
CAN	28.03.2002

AdHoc Query helper

Description of column 'Type_of_notice'

List of Administrations

The screenshot displays the ITU-BR Space Information System v8.0.0.0 interface. The main window shows a table of results with 38 rows. The columns are: ntc_id, ntc_type, prov, adm, ntwk_org, ctry, d_rcv, and wic_no. The data is filtered by province (11.2, 9.6) and station current status (43, 50). The status bar at the bottom indicates the task is SpaceQry and the database is C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb.

ntc_id	ntc_type	prov	adm	ntwk_org	ctry	d_rcv	wic_no
115520231	N	9.6	CAN			27.11.2015	
112520149	N	9.6	CAN			07.04.2012	
113520282	N	9.6	CAN			06.01.2015	
108520069	N	9.6	CAN			13.03.2008	
111500036	N	11.2	CAN			15.03.2011	
112520490	N	9.6	CAN			06.03.2015	
107500440	N	11.2	CHN			12.10.2007	
111500105	N	11.2	CHN			15.07.2011	
115520228	N	9.6	CHN			23.11.2015	
115520100	N	9.6	CYP			30.04.2015	
115520119	N	9.6	D			10.02.2016	
111520230	N	9.6	F			08.07.2011	
115520048	N	9.6	F			25.02.2015	
115520171	N	9.6	F			18.09.2015	
116520228	N	9.6	F			20.06.2016	
115520085	N	9.6	F			03.04.2015	
109500002	N	11.2	F			28.04.2009	
112500130	N	11.2	F			17.10.2012	
114520272	N	9.6	F			03.12.2014	
114520267	N	9.6	F			01.12.2014	
114520286	N	9.6	F			25.11.2014	
114520281	N	9.6	F			14.12.2015	

List of Satellite Networks

The screenshot displays the ITU-BR Space Information System v8.0.0.0 interface. The main window shows a table of satellite networks with 38 rows of data. The columns are: d_rcv, wic_no, ntf_rsn, sat_name, long_nom, st_cur, plan_id, and f_aa_type. A red arrow points to the 'sat_name' column header. The left sidebar contains a search area and a query editor with the following SQL query:

```
SELECT '' as Type_of_notice, com_el.ntc_id,
com_el.ntc_type, com_el.prov, com_el.adm,
com_el.ntwk_org, com_el.ctry, com_el.d_rcv,
com_el.wic_no, com_el.ntf_rsn,
com_el.sat_name, com_el.long_nom,
com_el.st_cur, com_el.plan_id,
notice.f_aa_type FROM com_el INNER JOIN
notice ON com_el.ntc_id = notice.ntc_id
WHERE (((com_el.ntc_type = 'N')) AND
(com_el.adm is null OR com_el.adm <> 'USA')
AND (com_el.ctry is null OR com_el.ctry <>
'USA') AND ((com_el.d_rcv<=#2016-12-16#)) AND
com_el.ntc_id in (SELECT DISTINCT ntc_id FROM
```

The table data is as follows:

d_rcv	wic_no	ntf_rsn	sat_name	long_nom	st_cur	plan_id	f_aa_type
27.11.2015		2832	C	102	50		
07.04.2012		2825	C	CANPOL	50		
06.01.2015		2815	C	CANPOL-2	50		
13.03.2008		2641	C	CASCADE-CX	50		
15.03.2011		2770	N	CASCADE-CX	50		
06.03.2015		2819	C	COMMSTELLATION	50		
12.10.2007		2645	N	FY-3	50		
15.07.2011		2790	N	HY-2	50		
23.11.2015		2832	C	TXIN	50		
30.04.2015		2822	C	ANDROMEDA-A	50		
10.02.2016		2830	C	COURIER-3	50		
08.07.2011		2722	C	ASAT-8	50		
25.02.2015		2832	C	AST-NG-C-1	50		
18.09.2015		2827	C	AST-NG-C-2	50		
20.06.2016			C	AST-NG-C-3	43		
03.04.2015		2822	C	ES-SAT-2	50		
28.04.2009		2671	N	JASON2	50		
17.10.2012		2742	N	JASON3	50		
03.12.2014		2812	C	MCSAT LEO	50		
01.12.2014		2821	C	MCSAT-2 HEO	50		
25.11.2014		2820	C	MCSAT-2 HEO-1	50		
14.12.2015		2825	C	MCSAT-2 LEO-2	50		

The bottom status bar shows the task 'SpaceQty', database path 'C:\BR_SOFT\SRS_ALL_V8\srs_all.mdb', and system information: EN, 20:48, 04/12/2016.

Questions







UserManual_SpaceQry.pdf - Adobe Reader

File Edit View Window Help

Open [Icons] 1 / 22 76.3%

Tools Fill & Sign Comment

 RADIOCOMMUNICATION BUREAU	SpaceQry software package	Ref : SpaceQry-UM
		Version : v8
		Author : SAS
	Dept./Div. : IAP/SAS	Date : 2016-07-25

 **SpaceQry – User Manual**

Sign In

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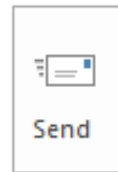
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To...

brsas@itu.int

Cc...

Subject

SpaceQuery question

