



Exercise on viewing results of MSPACEg available in BR IFICs with SPS_REPORTS

Space Plans Workshop (AP30/30A)

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Outline

General introduction to SPS_REPORTS

Exercise on SPS_REPORTS

Exercise 1: Viewing results of a R1&3 BSS network (Slides 17-25)
(file: [AP30_USABSS-34_mspace_results.mdb](#))

Exercise 2: Viewing results of a R1&3 BSS Feeder-link submission (Slides 26-34)
(file: [AP30A_NSS-BSS 142E_mspace_results.mdb](#))

Exercise 3: Viewing results of a Region 2 submission (Slide 35-43)
(file: [AP30-30A_NSS-BSS 58W_mspace_results.mdb](#))

(files stored at : "[\4_A30_30A SPS_REPORTS exercise\Exercise\](#))

Annex1: Where to get a set-up of SPS Package

Annex2: Get Mspaceg results available in BR IFICs

SPS_REPORTS (1)

- SPS_REPORTS is a part of the SPS Package.

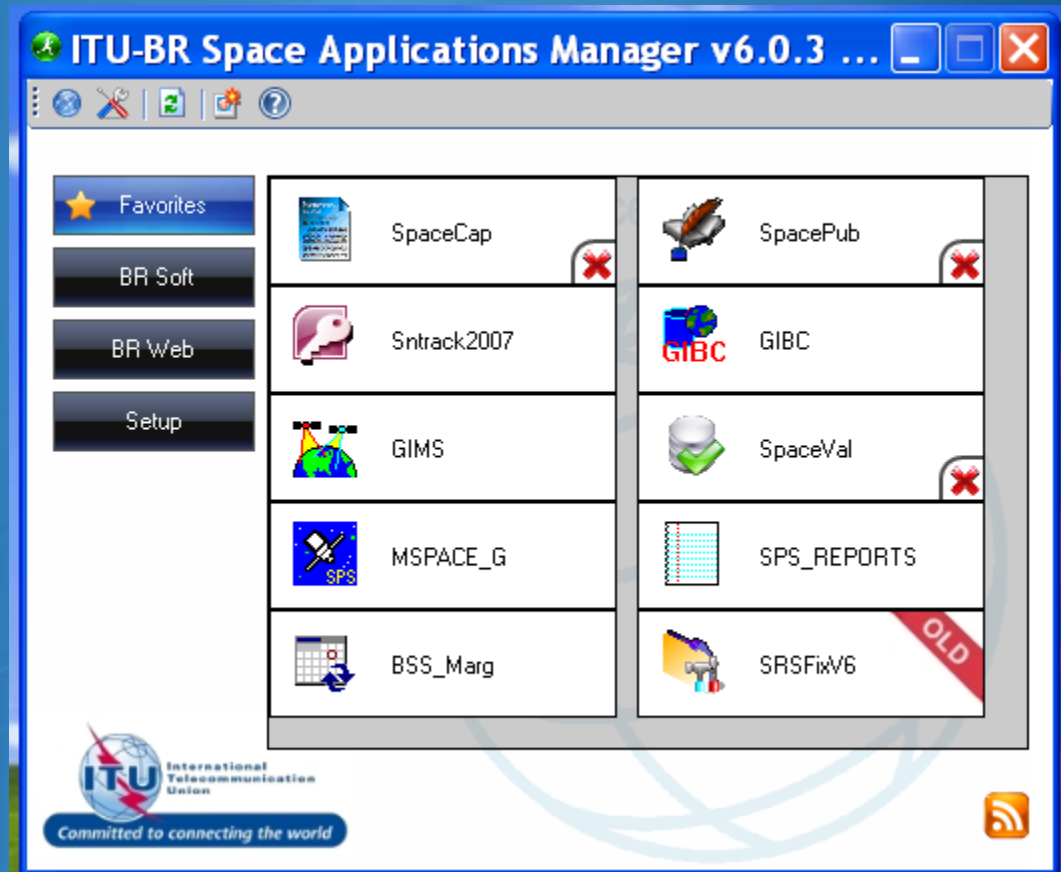


- Its purposes:
 - Listing affected networks with the worst excess/degradation
 - Retrieving Reference Situation/Margin for each test point
 - Displaying test points on a world map

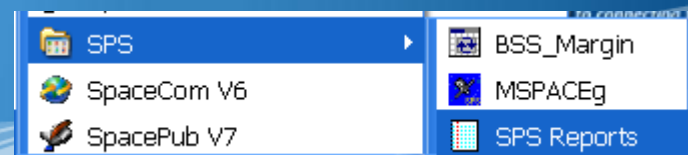
from the results of MSPACEg analysis on an AP30/30A Article 4 network.

SPS_REPORTS (2)

- Launching it from the SAM



- Launching it from Start menu
Start > All Programs > BR Space Applications



SPS_REPORTS (3)

1. Compressed report
2. Graphical reports
3. Reference Situation/
Findings report

Space Plans' System; Reporting Tool - SPS_REPO...

File Help

Findings/Reference Situation Database (Results of MSPACEg Analysis/Output DB)

MSPACEg Input Database with Plan's / List's Data

Title of Analyses (from Input Database)

Description of Analyses (Given by the User)

Plan/List Code (Id.) MSPACEg Version Selected Analysis Version

Analysis Date/Time
 Start Date/Time End Date/Time

Applied Margin Degradation Limit (dB)

Compressed Report
 Graphical Report
 Reference Situation / Findings Report

Select or Type Database Name with Reference Situation and Findings (|)

Compressed Report

"Compressed" Report (Affected Beams/Channels)

File

Adm.	Orb. Pos.	Beam Name	Identified Channels	Excess	Chan. where Degrad. >0.45	Degrad	Affected Channels	Excess	Degrad	Sat. Network Id.
BFA	-30.00	BFA10700	30,32,34,36,38,40	15.65	30,32,34,36,38,40	12.753	30,32,34,36,38,40	15.65	12.753	BFA10700
DNK	-33.50	DNK090XR	29,33	11.46	29,33	12.307	29,33	11.46	12.307	DNK090XR
		DNK091XR	31,35	11.37	31,35	8.528	31,35	11.37	8.528	DNK091XR
E	-30.00	E___100	29,31,33,35,37,39	15.20	29,31,33,35,37,39	11.693	29,31,33,35,37,39	15.20	11.693	HISPASAT 2U3
		10013235	29,31,33,35,38,40		29,31,33,35,38,40	20.621	29,31,33,35,38,40		20.621	
		10013236				20.624			20.624	
		10013237				12.326			12.326	
		10013238				12.328			12.328	
		10013239				15.07			15.07	
		10013240				20.185			20.185	
		10013241				18.659			18.659	
		10013242				14.84			14.84	
		10013243								
		10013244								
		10013245								
		10013246								
HI27D3-2	29,31,33,35,37,39	15.07		29,31,33,35,37,39		22.524		29,31,33,35,37,39	15.07	22.524
HI27D3-3	30,32,34,36,38,40	22.087	30,32,34,36,38,40	22.087	30,32,34,36,38,40	22.087	22.087			
HI27D3A2	29,31,33,35,37,39	14.84	29,31,33,35,37,39	20.185	29,31,33,35,37,39	14.84	20.185			
HI27D3A3	30,32,34,36,38,40	18.659	30,32,34,36,38,40	18.659	30,32,34,36,38,40	18.659	18.659			

Data Presentation Options

Cells' Merging: Merge Cells, No Cell Merging

Rows' Sorting (also for print): By Orbital Position, By Administration

Affected Channels using: PFD or EPM Criteria, PFD and EPM

Reproduce Report, Print Report, Create Draft of Special Section (in RTF format), Show Output DB Structure

Graphical Reports

"Graphical" Report

File

Find Affected Test Points Belonging to Listed Administrations, Satellites, Beams, Channels

Criteria Used for Graphical Report/Query (an empty box means any value)

Administrations: BFA

Sat.Network Id: ALL AFFECTED

Beam Names: ALL AFFECTED

Channels: ALL AFFECTED

Available Values

- BFA
- BFA10700
- 10011968
- 29

Copy Map onto Clipboard

Run Query and Plot Map

Applied Criteria

- EPM AND PFD
- EPM only
- PFD only

Affected Test Points

- Test point identified as affected using PFD and EPM criteria
- Test point identified as affected using EPM
- Test point identified as affected using PFD criterion

Plot Affected Test Points only

Done... You may prepare and run a new query.

USE THESE OPTIONS FOR YOUR QUERIES

Reference Situation/ Findings Report

Reference Situation / Calculated Margin Report (Query System)

Search Criteria
Criteria Used for Report/Query - empty box means any value

Administrations: BFA
Longitude:
Nominal degrees:
Beam Names:
Channels:
Satellite:
Network Id.(s):

Available Values
BFA
-178
DECME66
1
AFG__100

Legend
Affected Channel: 13
EPM/PFD Affected Test Point: -4.2
EPM Affected Test Point: -7.790
PFD Affected Test Point: 2.940

Select (or type) criteria from combo boxes on the right (click on wanted ones). Delete not required search criteria from the boxes above.

Output sorted by Administration, Longitude Nominal, Beam Name, Channel

--- No value for this test point [Reference Situation, max(PFD Excess)]

Only Affected Beams / Channels to Be Shown

Retrieve Ref.Sit./ Margin

Test Points' Coordinates (Longitude/Latitude) degrees

Adm.	Orb.Pos.	Beam Name	Ch.	TP 1 Ref.Sit Margin PFDexc.	TP 2 Ref.Sit Margin PFDexc.	TP 3 Ref.Sit Margin PFDexc.	TP 4 Ref.Sit Margin PFDexc.	TP 5 Ref.Sit Margin PFDexc.	TP 6 Ref.Sit Margin PFDexc.	TP 7 Ref.Sit Margin PFDexc.	TP 8 Ref.Sit Margin PFDexc.	TP 9 Ref.Sit Margin PFDexc.	TP 10 Ref.Sit Margin PFDexc.	TP 11 Ref.Sit Margin PFDexc.
	Sat.Network Id.: BFA10700			-2.50* 9.50*	-5.00* 10.00*	-5.50* 12.00*	-1.50* 12.20*	2.50* 13.00*						
BFA	-30.00	BFA10700	30	2.407 -11.285 15.441	2.286 -11.469 15.354	1.498 -11.701 15.365	4.625 -9.017 15.511	2.273 -11.668 15.648						
		BFA10700	32	2.407 -12.340 15.441	2.286 -12.525 15.354	1.497 -12.751 15.365	4.624 -10.072 15.511	2.272 -12.726 15.648						
		BFA10700	34	2.407 -12.340 15.441	2.286 -12.525 15.354	1.497 -12.751 15.365	4.624 -10.072 15.511	2.272 -12.726 15.648						
		BFA10700	36	2.362 -12.342 15.441	2.238 -12.527 15.354	1.456 -12.753 15.365	4.581 -10.074 15.511	2.228 -12.727 15.648						
		BFA10700	38	2.368 -12.341	2.244 -12.526	1.461 -12.753	4.587 -10.073	2.234 -12.727						

6 rows displayed. You may specify different criteria and run your next query if you wish

RTF Report Close

USE THESE
OPTIONS FOR
YOUR
QUERIES

Three Reports can be run in parallel

"Compressed" Report (Affected Beams/Channels)

File

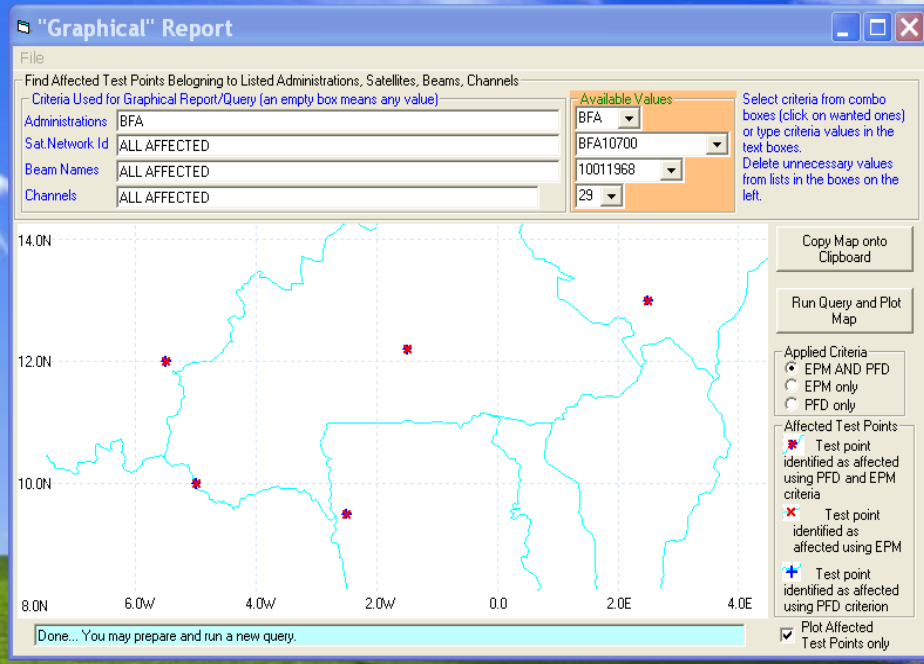
Affected Beams and Channels (sorted by Administration Symbol)

		PFD Criterion (An.1 to App.30)			EPM Criterion (An.1 to App.30)			EPM and PFD Criteria		
Adm.	Orb.Pos.	Beam Name	Identified Channels	Excess	Chan. where Degrad. >0.45	Degrad	Affected Channels	Excess	Degrad	Sat.Network Id.
BFA	-30.00	BFA10700	30,32,34,36,38,40	15.65	30,32,34,36,38,40	12.753	30,32,34,36,38,40	15.65	12.753	BFA10700
DNK	-33.50	DNK090XR	29,33	11.46	29,33	12.307	29,33	11.46	12.307	DNK090XR
		DNK091XR	31,35	11.37	31,35	8.528	31,35	11.37	8.528	DNK091XR
		E 100	29,31,33,35,37,39		29,31,33,35,37,39	11.693	29,31,33,35,37,39		11.693	E 100
		10013235				20.621			20.621	
		10013236								
		10013237								
		10013238								
		10013239				20.624			20.624	
		10013240	29,31,33,35,38,40	15.20	29,31,33,35,38,40		29,31,33,35,38,40	15.20		HISPASAT 2U3
		10013241								
		10013242				12.326			12.326	
		10013243								
		10013244				12.328			12.328	
		10013245								
		10013246								
		HI27D3-2	29,31,33,35,37,39	15.07	29,31,33,35,37,39	22.524	29,31,33,35,37,39	15.07	22.524	
		HI27D3-3	30,32,34,36,38,40		30,32,34,36,38,40	22.087	30,32,34,36,38,40		22.087	
		HI27D3A2	29,31,33,35,37,39	14.84	29,31,33,35,37,39	20.185	29,31,33,35,37,39	14.84	20.185	
		HI27D3A3	30,32,34,36,38,40		30,32,34,36,38,40	18.659	30,32,34,36,38,40		18.659	

Data Presentation Options
 Cells' Merging
 Merge Cells
 No Cell Merging

Rows' Sorting (also for print)
 By Orbital Position
 By Administration

Affected Channels using
 PFD or EPM Criteria
 PFD and EPM



Reference Situation / Calculated Margin Report (Query System)

Search Criteria

Criteria Used for Report/Query - empty box means any value

Administrations: BFA
 Longitude: Nominal degrees
 Beam Names:
 Channels:
 Satellite:
 Network Id(s):

Available Values: BFA, -178, DECME66, AFG_100

Only Affected Beams / Channels to Be Shown

Legend

Affected Channel: 19

EPM/PFD Affected Test Point: -4.940, -8.147, 17.091

EPM Affected Test Point: -7.790, -9.222

PFD Affected Test Point: 2.940, 2.072, 9.782

Select (or type) criteria from combo boxes on the right (click on wanted ones). Delete not required search criteria from the boxes above.

Output sorted by Administration, Longitude Nominal, Beam Name, Channel

--- No value for this test point [Reference Situation, max(PFD Excess)]

		Test Points' Coordinates (Longitude/Latitude) degrees												
Adm.	Orb.Pos.	Beam Name	Ch.	TP 1 Ref.Sit Margin PFDexc.	TP 2 Ref.Sit Margin PFDexc.	TP 3 Ref.Sit Margin PFDexc.	TP 4 Ref.Sit Margin PFDexc.	TP 5 Ref.Sit Margin PFDexc.	TP 6 Ref.Sit Margin PFDexc.	TP 7 Ref.Sit Margin PFDexc.	TP 8 Ref.Sit Margin PFDexc.	TP 9 Ref.Sit Margin PFDexc.	TP 10 Ref.Sit Margin PFDexc.	TP 11 Ref.Sit Margin PFDexc.
		Sat.Network Id.: BFA10700		-2.50 9.50	-5.00 10.00	-5.50 12.00	-1.50 12.20	2.50 13.00						
BFA	-30.00	BFA10700	30	2.407 -11.285 15.441	2.286 -11.469 15.354	1.498 -11.701 15.365	4.625 -9.017 15.511	2.273 -11.688 15.648						
		BFA10700	32	2.407 -12.340 15.441	2.286 -12.525 15.354	1.497 -12.751 15.365	4.624 -10.072 15.511	2.272 -12.726 15.648						
		BFA10700	34	2.407 -12.340 15.441	2.286 -12.525 15.354	1.497 -12.751 15.365	4.624 -10.072 15.511	2.272 -12.726 15.648						
		BFA10700	36	2.362 -12.342 15.441	2.238 -12.527 15.354	1.456 -12.753 15.365	4.581 -10.074 15.511	2.228 -12.727 15.648						
		BFA10700	38	2.368 -12.341 15.441	2.244 -12.526 15.354	1.461 -12.753 15.365	4.587 -10.073 15.511	2.234 -12.727 15.648						

6 rows displayed. You may specify different criteria and run your next query if you wish



Satellite Beam Name vs Mspace Beam Name (pbeam_name)

111552027[A] G LUX/ 21.5E DBL-G5-21.5E

Beam id: GBL
Beam id: RG1

1. pbeam_name is the name for a plan beam which is automatically generated by SpaceCap.
2. The pbeam_name is stored in the beam_tr table in the SPS database.

1. Satellite Beam Name is the name for a satellite beam given by you when creating a network.
2. The beam name is stored in the s_beam table in the SPS database.

ant_diam	pattern_id	design_emi	grp_id	pbeam_name	beam_name	emi_rcp	ntc_id
0.6	289	33M0G7W--	1	00000001	GBL	E	111552027
0.6	289	33M0G7W--	2	00000002	GBL	E	111552027
0.6	289	33M0G7W--	3	00000003	GBL	E	111552027
0.6	289	33M0G7W--	4	00000004	GBL	E	111552027
0.6	289	33M0G7W--	5	00000005	GBL	E	111552027
0.6	289	33M0G7W--	6	00000006	GBL	E	111552027
0.6	289	33M0G7W--	7	00000007	GBL	E	111552027
0.6	289	33M0G7W--	8	00000008	GBL	E	111552027
0.6	289	33M0G7W--	9	00000009	RG1	E	111552027
0.6	289	33M0G7W--	10	00000010	RG1	E	111552027
0.6	289	33M0G7W--	11	00000011	RG1	E	111552027

Satellite Beam Name vs Mspace Beam Name (pbeam_name)

- Regions 1 and 3: Mspace Beam Name = F(grp_id; design_emi)

s_beam : Table							
ntc_id	emi_rcp	beam_name	f_steer	pattern_id	pattern_id_x	gain	
199999999	E	INT		299	299	31.44	

beam_tr : Table								
ant_diam	pattern_id	design_emi	grp_id	pbeam_name	beam_name	emi_rcp	ntc_id	
0.9	290	33M0G7W--	16983	00000005	INT	E	199999999	

- Region 2: Mspace Beam Name = F(grp_id_dn;grp_id_up;strapping)

s_beam : Table							
ntc_id	emi_rcp	beam_name	pattern_id	pattern_id_x	gain	f_steer	
199999999	E	R2T	300	300	28.21		
199999999	R	R2R	304	304	31.44		

pl_strap : Table						
ntc_id	freq_dn	freq_up	grp_id_dn	grp_id_up	f_victim_op	
199999999	12224	17324	14268	14269	N	
199999999	12253.16	17353.16	14268	14269	N	
199999999	12282.32	17382.32	14268	14269	N	
199999999	12311.48	17411.48	14268	14269	N	

beam_tr : Table								
ant_diam	pattern_id	design_emi	grp_id	pbeam_name	beam_name	emi_rcp	ntc_id	
0.6	292	24M0G7W--	14268	00000001	R2T	E	199999999	
7	297	24M0G7W--	14269	00000001	R2R	R	199999999	

Exercise

You are now requested to do one of the following exercises using the SPS_REPORTS:

Exercise 1: Viewing results of a R1&3 BSS network

(file: [AP30_USABSS-34_mspace_results.mdb](#))

Exercise 2: Viewing results of a R1&3 BSS Feeder-link submission

(file: [AP30A_NSS-BSS 142E_mspace_results.mdb](#))

Exercise 3: Viewing results of a Region 2 submission

(file: [AP30-30A_NSS-BSS 58W_mspace_results.mdb](#))

Step by step to do exercise

1. Copy folder “Space Plans” under “\Workshop\Space” from the USB key to your C drive.
2. Find Mspace results database under:

“\4_A30_30A_SPS_REPORTs_exercise\Exercise\”

Name	Size	Type
AP30A_N55-B55 142E_mspace_results.mdb	11,952 KB	Microsoft Office Access Database
AP30_USAB55-34_mspace_results.mdb	26,384 KB	Microsoft Office Access Database
AP30-30A_N55-B55 58W_mspace_results.mdb	11,996 KB	Microsoft Office Access Database

3. Run SPS_Reports on the selected Mspace results database to: (see slides [17-25](#) for Exercise 1, [26-34](#) for Exercise 2 and [35-43](#) for Exercise 3 for step by step to view Mspace results with SPS Reports)

- ✓ Create Compressed Report
- ✓ Create Graphical Report
- ✓ Create Reference Situation/Findings Report

Any Questions?

Presenter: Thong.PHAMVIET@itu.int

Main contact person for Space Plan Services:

Mitsuhiro.Sakamoto@itu.int

Software: brsas@itu.int

Any Questions?

Presenter: Thong.PHAMVIET@itu.int

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

Software: brsas@itu.int



Any Questions?

Presenter: Thong.PHAMVIET@itu.int

Main contact person for Space Plan Services:

Mitsuhiro.Sakamoto@itu.int

Software: brsas@itu.int



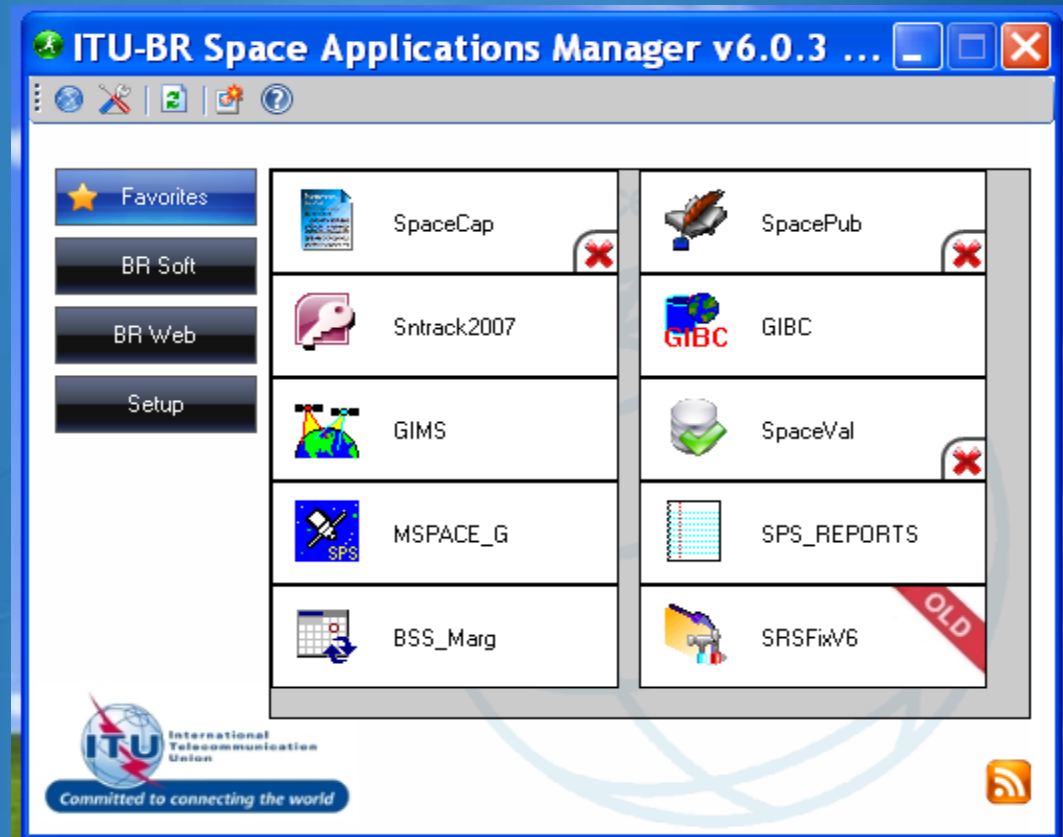
Exercise 1

Viewing results of MSPACE for a R1&3 BSS network with SPS_REPORTS

Exercise 1: Viewing results of MSPACE for a R1&3 BSS network with SPS_REPORTS (1)

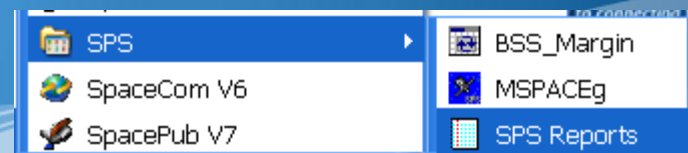
1. Start SPS_REPORTS

□ from the SAM



□ Or from Start menu

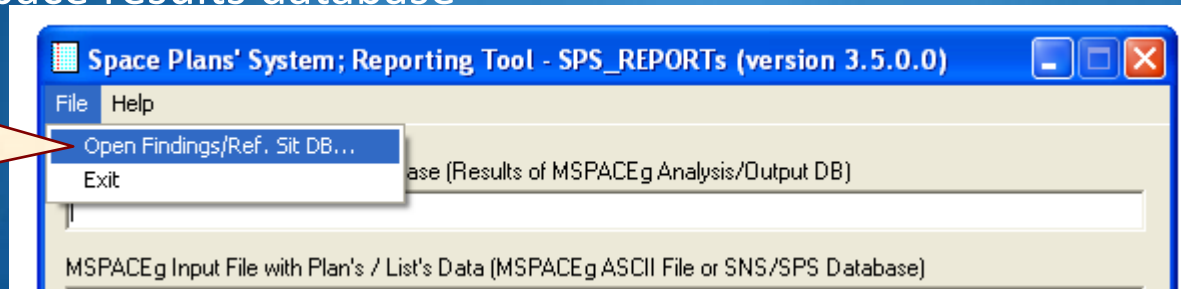
Start > All Programs > BR Space Applications



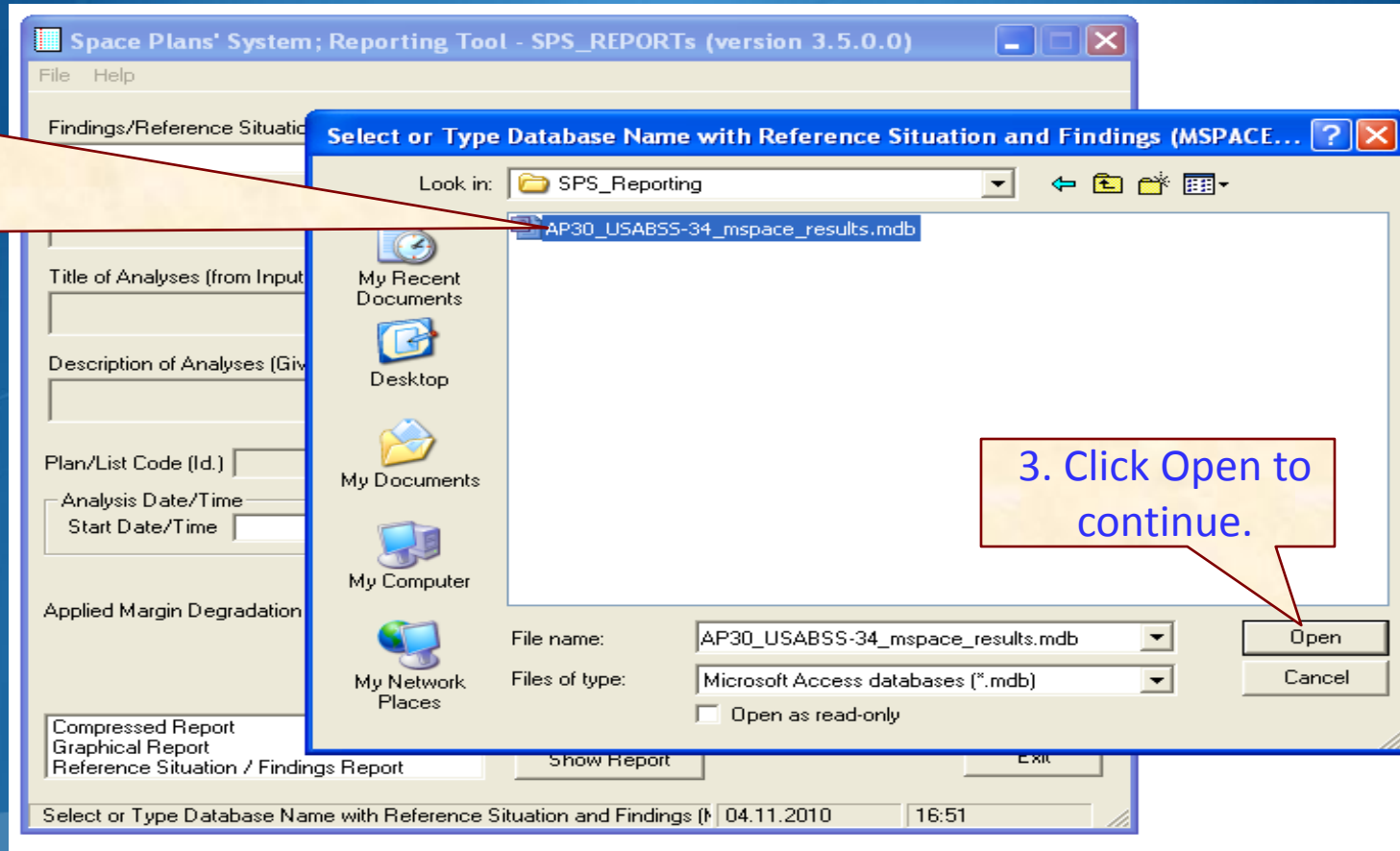
Exercise 1: Viewing results of MSPACE for a R1&3 BSS network with SPS_REPORTS (2)

2. Select an Mspace results database

1. Click Open Findings/Ref. Sit DB...



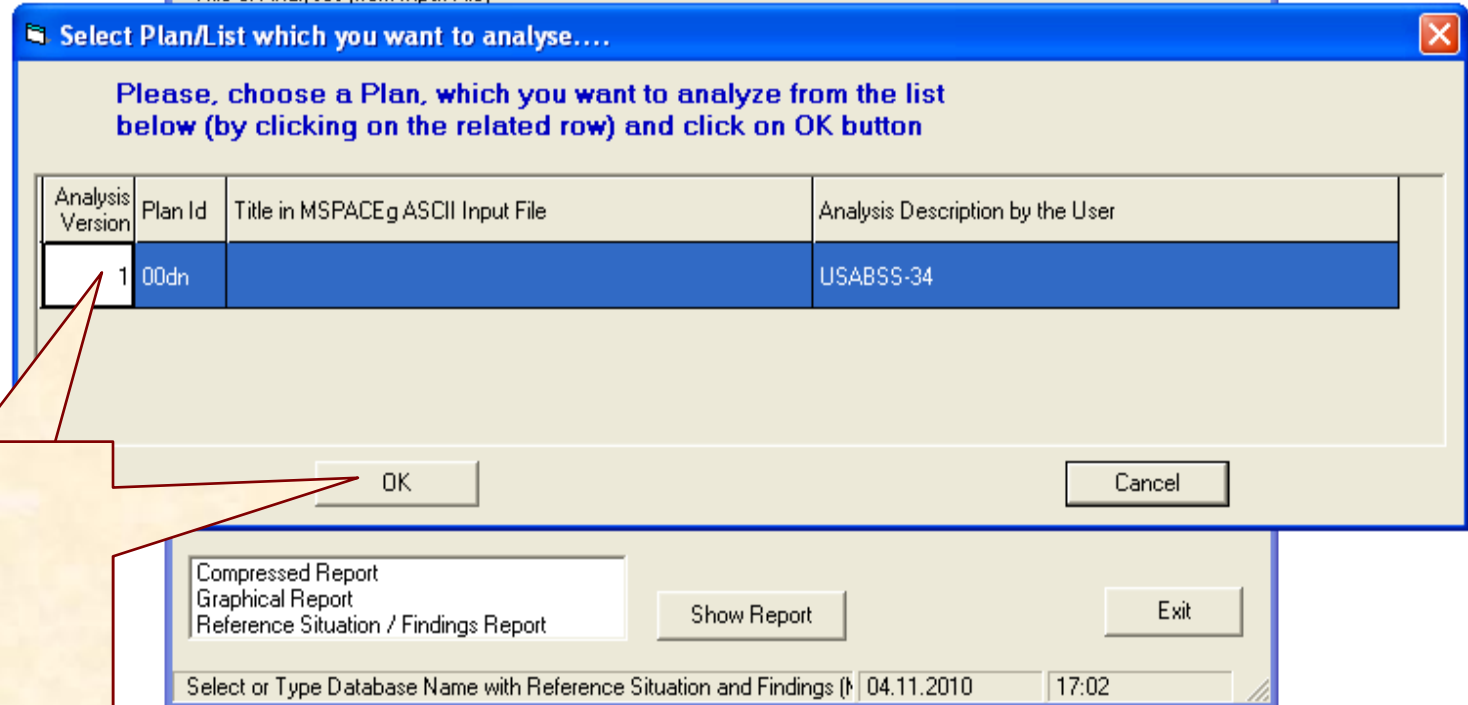
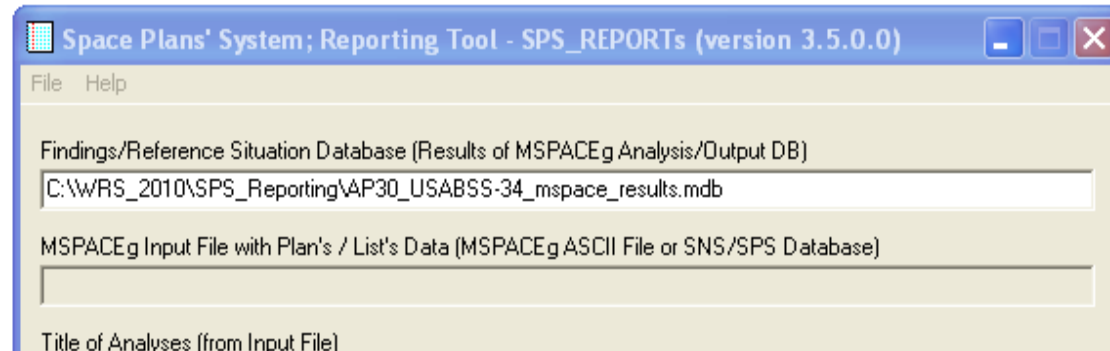
2. Select a MSPACE results database containing the results of analysis for the R1&3 BSS network.



3. Click Open to continue.

Exercise 1: Viewing results of MSPACE for a R1&3 BSS network with SPS_REPORTS (3)

3. Select a version to analyze



1. Select one version each time.
2. Click on OK.

Exercise 1: Viewing results of MSPACE for a R1&3 BSS network with SPS_REPORTS (4)

4. Select a report

1. Select one report each time.
2. Click "Show Report"

Space Plans' System; Reporting Tool - SPS_REPORTs (version 3.5.0.0)

File Help

Findings/Reference Situation Database (Results of MSPACEg Analysis/Output DB)
C:\WRS_2010\SPS_Reporting\AP30_USABSS-34_mspace_results.mdb

MSPACEg Input File with Plan's / List's Data (MSPACEg ASCII File or SNS/SPS Database)
C:\MG\PartA\USABSS-34\SPS_ALL_20100716_USABSS-34.mdb

Title of Analyses (from Input File)
[Empty field]

Description of Analyses (Given by the User)
USABSS-34

Plan/List Code (Id.) 00dn MSPACEg Version 6.6.0.1 Selected Analysis Version 1

Analysis Date/Time
Start Date/Time 28.07.2010 16:05:22 End Date/Time 28.07.2010 18:43:32

Applied Margin Degradation Limit (dB) 0.45

Compressed Report
Graphical Report
Reference Situation / Findings Report

Show Report Exit

Select or Type Database Name with Reference Situation and Findings (↓) 04.11.2010 17:06

Exercise 1: Viewing results of MSPACE for a R1&3 BSS network with SPS_REPORTS (5)

4.1 Compressed Report / Draft of Special Section

"Compressed" Report (Affected Beams/Channels)

File

Affected Beams and Channels(sorted by Orbital Position)

Orb.Pos.	Adm.	Beam Name	PFD Criterion (An.1 to App.30)		EPM Criterion (An.1 to App.30)		EPM and PFD Criteria			
			Identified Channels	Excess	Chan. where Degrad. >0.45	Degrac	Affected Channels	Excess	Degrac	
-33.50	DNK	DNK090XR	29,33	11.46	29,33	12.307	29,33	11.46	12.307	
		DNK091XR	31,35	11.37	31,35	8.528	31,35	11.37	8.528	
	G	10011968	29,31,33,35,37,39	12.62	29,31,33,35,37,39	13.137	29,31,33,35,37,39	12.62	13.137	
		10011969	30,32,34,36,38,40		30,32,34,36,38,40	13.130	30,32,34,36,38,40		13.130	
	ISL	ISL04900	29,31,33,35,37,39	11.21	31,33,35,37,39	5.902	31,33,35,37,39	11.21	5.902	
SRL		12.59		29,31,33,35,37,39	7.859	29,31,33,35,37,39	12.59	7.859		
-31.50	USA	10017700	30,32,34,36,38,40	29.24	30,32,34,36,38,40	33.487	30,32,34,36,38,40	29.24	33.487	
		10017701			31,33,35,37,39	33.859	31,33,35,37,39		33.859	
		10017702				30,32,34,36,38,40	26.073		30,32,34,36,38,40	26.073
		10017703			31,33,35,37,39		26.106		31,33,35,37,39	26.106
		10017704					30,32,34,36,38,40		12.753	30,32,34,36,38,40
		10017705			15.65				29,31,33,35,37,39	11.693
-30.00	BFA	BFA10700	30,32,34,36,38,40	15.65	30,32,34,36,38,40	12.753	30,32,34,36,38,40	15.65	12.753	
		E_100	29,31,33,35,37,39	15.20	29,31,33,35,37,39	11.693	29,31,33,35,37,39	15.20	11.693	
	10013235	29,31,33,35,38,40	20.621		29,31,33,35,38,40	20.621				
	10013236									
	10013237									
10013238										

Data Presentation Options

Cells' Merging
 Merge Cells
 No Cell Merging

Rows' Sorting (also for print)
 By Orbital Position
 By Administration

Affected Channels using
 PFD or EPM Criteria
 PFD and EPM

Reproduce Report
Print Report
Create Draft of Special Section (in RTF format)
Show Output DB Structure

1. Select "Data Presentation Options"
2. Click "Reproduce Report"

Exercise 1: Viewing results of MSPACE for a R1&3 BSS network with SPS_REPORTS (6)

4.1 Compressed Report / Draft of Special Section (Cont.)

"Compressed" Report (Affected Beams/Channels)

File

Affected Beams and Channels(sorted by Orbital Position)

Orb.Pos.	Adm.	Beam Name	PFD Criterion (An.1 to App.30)		EPM Criterion (An.1 to App.30)		EPM and PFD Criteria		
			Identified Channels	Excess	Chan. where Degrad. >0.45	Degrac	Affected Channels	Excess	Degrac
-33.50	DNK	DNK090XR	29,33	11.46	29,33	12.307	29,33	11.46	12.307
		DNK091XR	31,35	11.37	31,35	8.528	31,35	11.37	8.528
	G	10011968	29,31,33,35,37,39	12.62	29,31,33,35,37,39	13.137	29,31,33,35,37,39	12.62	13.137
		10011969	30,32,34,36,38,40		13.130	30,32,34,36,38,40	13.130		
	ISL	ISL04900	29,31,33,35,37,39	11.21	31,33,35,37,39	5.902	31,33,35,37,39	11.21	5.902
SRL	SRL25900	29,31,33,35,37,39	12.59	29,31,33,35,37,39	7.859	29,31,33,35,37,39	12.59	7.859	
-31.50	USA	10017700	30,32,34,36,38,40	29.24	30,32,34,36,38,40	33.487	30,32,34,36,38,40	29.24	33.487
		10017701			31,33,35,37,39	33.859			31,33,35,37,39
		10017702	30,32,34,36,38,40		30,32,34,36,38,40	26.073	30,32,34,36,38,40		26.073
		10017703			31,33,35,37,39	26.106	31,33,35,37,39		26.106
		10017704	30,32,34,36,38,40		26.073	30,32,34,36,38,40	26.073		
		10017705	31,33,35,37,39		26.106	31,33,35,37,39	26.106		
		10017706	30,32,34,36,38,40		30,32,34,36,38,40	12.753	30,32,34,36,38,40		12.753
10017707	31,33,35,37,39	11.693		29,31,33,35,37,39	11.693				
-30.00	BFA	BFA10700	30,32,34,36,38,40	15.65	30,32,34,36,38,40	12.753	30,32,34,36,38,40	15.65	12.753
	E	E_____100	29,31,33,35,37,39	15.20	29,31,33,35,37,39	11.693	29,31,33,35,37,39	11.693	
		10013235	29,31,33,35,38,40		29,31,33,35,38,40	20.621	29,31,33,35,38,40	15.20	20.621
		10013236							
		10013237							
10013238									

Data Presentation Options

Cells' Merging
 Merge Cells
 No Cell Merging

Rows' Sorting (also for print)
 By Orbital Position
 By Administration

Affected Channels using
 PFD or EPM Criteria
 PFD and EPM

Reproduce Report
 Print Report

Create Draft of Special Section (in RTF format)

Show Output DB Structure

Click here to produce print version of this report. A message will appear to inform you of the location of the resulting file.

Exercise 1: Viewing results of MSPACE for a R1&3 BSS network with SPS_REPORTS (7)

4.2 Graphical Report

Each row could contain multiple criteria.

The screenshot shows the "Graphical" Report window. At the top, there is a menu bar with "File". Below it is a search bar: "Find Test Points Belonging to List Administrations, Satellites, Beams, Channels". Underneath is a section titled "Criteria Used for Graphical Report/Query (an empty box means any value)". This section contains four input fields: "Administrations" with the value "AFG", "Sat.Network Id" with "AFG_100", "Beam Names" (empty), and "Channels" (empty). To the right of these fields is an "Available Values" panel with four dropdown menus: "AFG", "AFG_100", "DECME66", and "1". To the right of this panel is a text box: "Select criteria from combo boxes (click on wanted ones) or type criteria values in the text boxes. Delete unnecessary values from lists in the boxes on the left." Below the search and criteria sections is a map showing a geographical area with a grid. The map has latitude labels on the y-axis (30.0N, 33.0N, 36.0N, 39.0N) and longitude labels on the x-axis (60.0E, 63.0E, 66.0E, 69.0E, 72.0E, 75.0E). Several red 'x' marks are plotted on the map, representing test points. To the right of the map are two buttons: "Copy Map onto Clipboard" and "Run Query and Plot Map". At the bottom of the window is a status bar with the text "Done... You may prepare and run a new query." and a checkbox labeled "Plot Affected Test Points only" which is currently checked.

1. Select criteria for the query.
2. Click "Run Query and Plot Map to view the report".

Select this option to display only affected test points.

Exercise 1: Viewing results of MSPACE for a R1&3 BSS network with SPS_REPORTS (7)

4.3 Reference Situation/Findings Report

Each row could contain multiple criteria.

Reference Situation / Calculated Margin Report (Query System)

Search Criteria
 Criteria Used for Report/Query - empty box means any value
 Administrations: G
 Longitude: -33.5
 Nominal degrees: -33.5
 Beam Names: 10011968
 Channels:
 Satellite:
 Network Id(s):
 Available Values: G, -33.5, DECME68, 1, AFG_100
 Legend: Affected Channel: 13, EPM/PFD Affected Test Point: -4.340, -8.147, 17.091, EPM Affected Test Point: -7.790, -9.222, PFD Affected Test Point: 2.940, 2.072, 9.782
 Select (or type) criteria from combo boxes on the right (click on wanted ones). Delete not required search criteria from the boxes above.
 Output sorted by Administration, Longitude Nominal, Beam Name, Channel
 --- No value for this test point [Reference Situation, max(PFD Excess)]
 Retrieve Ref.Sit./ Margin

Test Points' Coordinates (Longitude/Latitude) degrees															
Adm.	Orb.Pos.	Beam Name	Ch.	TP 1 Ref.Sit Margin PFDexc.	TP 2 Ref.Sit Margin PFDexc.	TP 3 Ref.Sit Margin PFDexc.	TP 4 Ref.Sit Margin PFDexc.	TP 5 Ref.Sit Margin PFDexc.	TP 6 Ref.Sit Margin PFDexc.	TP 7 Ref.Sit Margin PFDexc.	TP 8 Ref.Sit Margin PFDexc.	TP 9 Ref.Sit Margin PFDexc.	TP 10 Ref.Sit Margin PFDexc.	TP 11 Ref.Sit Margin PFDexc.	
	Sat.Network Id: UKDIGISAT-4A			-5.36*	-8.30*	15.00*	23.60*	8.70*	3.10*	-8.70*	22.60*	-4.30*	21.90*	22.1	
				36.13*	37.50*	38.00*	38.00*	39.10*	39.70*	42.90*	43.90*	48.20*	48.90*	53.6	
G	-33.50	10011968	29	-7.044	-6.449	-1.075	0.921	-4.283	-6.800	-6.388	-1.618	-5.678	-2.067	-10.2	
				12.625	-6.990	-2.563	-1.280	-5.068	-7.252	-6.861	-2.814	-6.147	-3.123	-10.4	
				12.625	12.520	12.221	11.799	12.370	12.456	12.257	11.581	12.024	11.418	11.2	
		10011968	31	-8.191	-7.498	-0.896	1.146	-4.295	-7.800	-7.670	-0.915	-5.908	-1.657	-2.2	
				12.625	-14.750	-13.921	-12.987	-13.133	-13.262	-13.790	-13.531	-12.657	-12.661	-12.598	-12.6
		10011968	33	-7.175	-6.537	-0.935	1.033	-4.361	-6.914	-6.461	-1.426	-5.727	-1.878	-10.2	
		10011968	35	-14.545	-13.720	-12.989	-13.137	-13.270	-13.583	-13.248	-12.693	-12.624	-12.616	-14.3	
		10011968	37	-8.279	-7.631	-0.857	1.184	-4.472	-7.926	-7.794	-0.873	-6.012	-1.619	-2.1	
		10011968	37	-14.769	-13.952	-12.984	-13.131	-13.295	-13.822	-13.563	-12.654	-12.683	-12.595	-12.6	
		10011968	37	-8.056	-7.836	-2.011	1.206	-5.653	-8.118	-7.733	-0.984	-5.532	-1.533	-12.6	
		10011968	37	-14.720	-14.000	-13.065	-13.131	-13.460	-13.872	-13.547	-12.652	-12.584	-12.58	-12.6	

6 rows displayed. You may specify different criteria and run your next query if you wish

RTF Report Close

Reference Situation for the test point

Calculated Margin for the test point

Maximum PFD excess at the test point

Click here to retrieve Ref.Sit./Margin

Click here to produce print version of this report. A message will appear to inform you of the location of the resulting file.



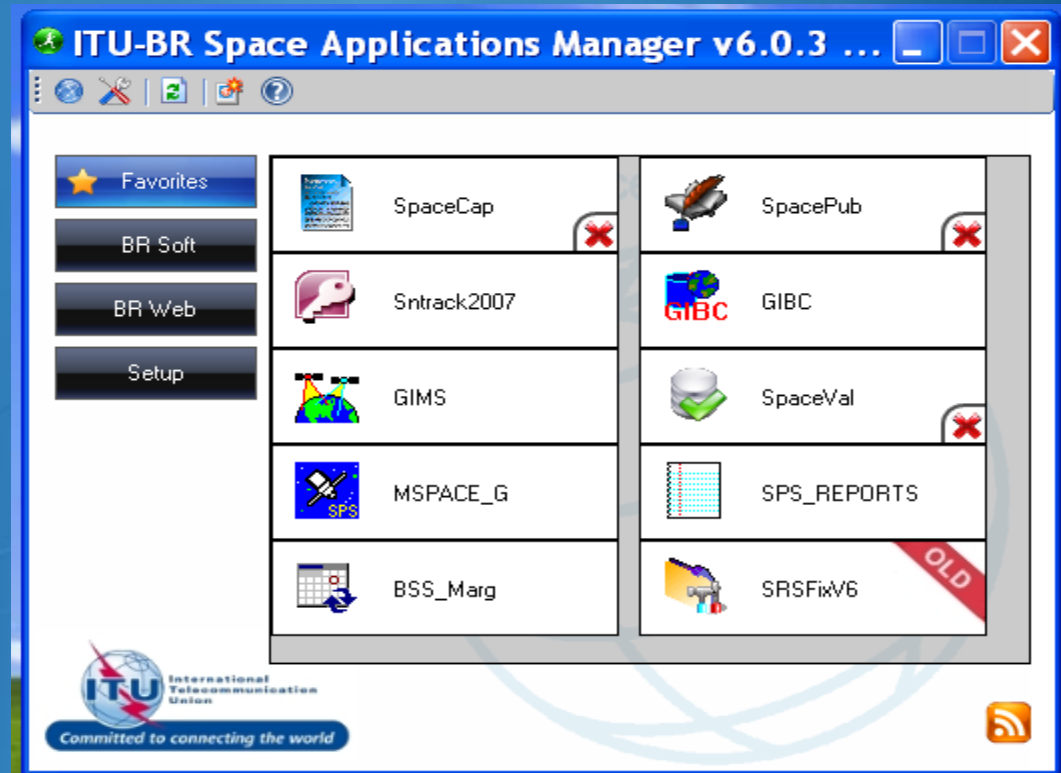
Exercise 2

Viewing results of MSPACE for a R1&3 BSS Feeder-link network with SPS_REPORTS

Exercise 2 : Viewing results of MSPACE for a R1&3 BSS Feeder-link network with SPS_REPORTS (1)

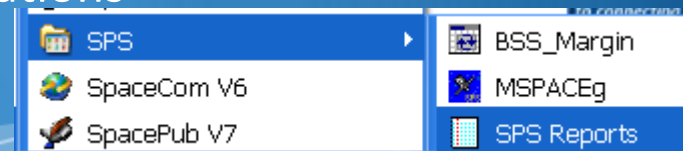
1. Start SPS_REPORTS

□ from the SAM



□ Or from Start menu

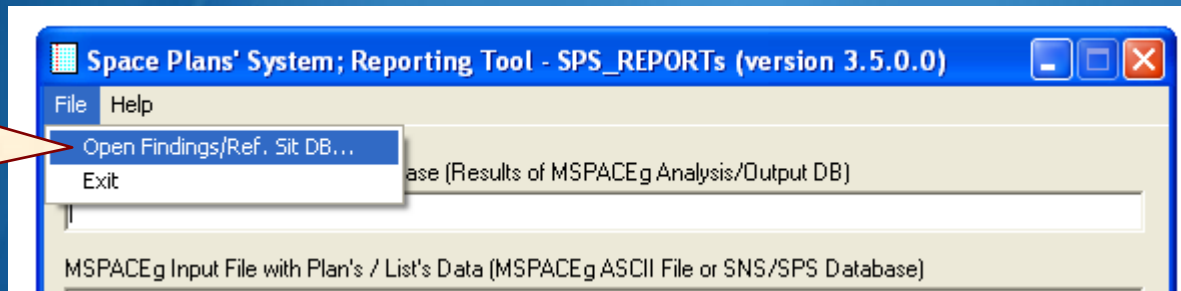
Start > All Programs > BR Space Applications



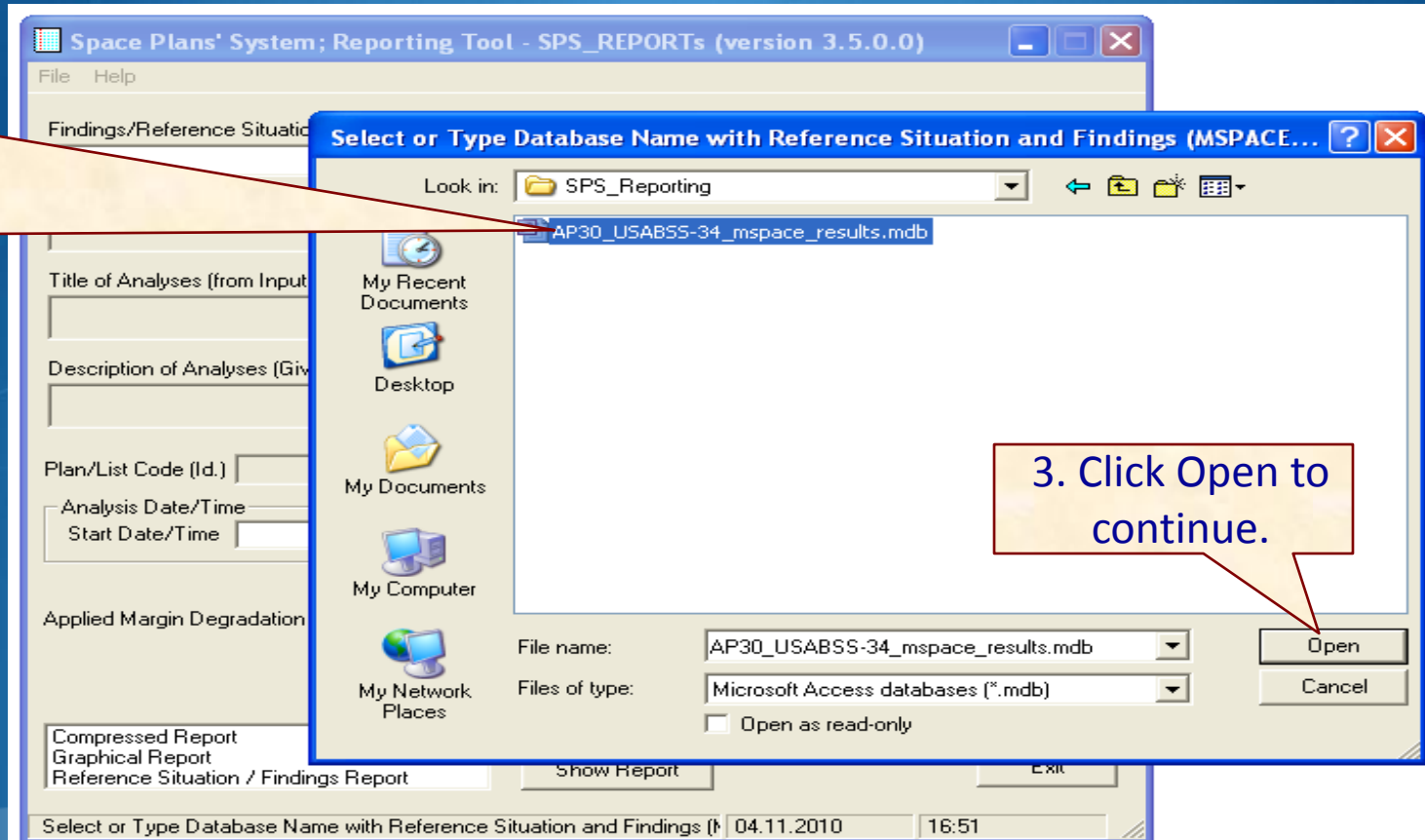
Exercise 2 : Viewing results of MSPACE for a R1&3 BSS Feeder-link network with SPS_REPORTS (2)

2. Select an Mspace results database

1. Select Open Findings/Ref. Sit DB...



2. Select MSPACE results database containing the results of analysis for the R1&3 BSS network.



3. Click Open to continue.

Exercise 2 : Viewing results of MSPACE for a R1&3 BSS Feeder-link network with SPS_REPORTS (3)

3. Select a version to analyze

The screenshot shows the 'Space Plans' System; Reporting Tool - SPS_REPORTS (version 3.6.0.1) application window. The main window displays the 'Findings/Reference Situation Database (Results of MSPACEg Analysis/Output DB)' with the path 'C:\WRS_2010\SPS_Reporting\AP30A_NSS-BSS 142E_mspace_results.mdb'. Below this, there is a field for 'MSPACEg Input File with Plan's / List's Data (MSPACEg ASCII File or SNS/SPS Database)'. Overlaid on this is a dialog box titled 'Select Plan/List which you want to analyse....'. The dialog box contains the instruction: 'Please, choose a Plan, which you want to analyze from the list below (by clicking on the related row) and click on OK button'. The dialog box features a table with the following data:

Analysis Version	Plan Id	Title in MSPACEg ASCII Input File	Analysis Description by the User
1	00u1		
2	00u2		17 GHz part of merged Regions 1&3 Feeder-link Plan/List

The dialog box also has 'OK' and 'Cancel' buttons. Below the dialog box, the main application window shows a 'Graphical Report' dropdown menu set to 'Reference Situation / Findings Report', a 'Show Report' button, and an 'Exit' button. At the bottom of the main window, there is a status bar with the text 'Select or Type Database Name with Reference Situation and Findings (f', the date '23.11.2010', and the time '14:50'.

1. Select one version each time.
2. Click OK.

Exercise 2 : Viewing results of MSPACE for a R1&3 BSS Feeder-link network with SPS_REPORTS (4)

4. Select a report

1. Select one report each time.
2. Click "Show Report"

Space Plans' System; Reporting Tool - SPS_REPORTs (version 3.5.0.0)

File Help

Findings/Reference Situation Database (Results of MSPACEg Analysis/Output DB)

MSPACEg Input File with Plan's / List's Data (MSPACEg ASCII File or SNS/SPS Database)

Title of Analyses (from Input File)

Description of Analyses (Given by the User)

Plan/List Code (Id.) MSPACEg Version Selected Analysis Version

Analysis Date/Time
 Start Date/Time End Date/Time

Applied Margin Degradation Limit (dB)

Compressed Report
 Graphical Report
 Reference Situation / Findings Report

Show Report

Exit

Select or Type Database Name with Reference Situation and Findings (↓)

Exercise 2 : Viewing results of MSPACE for a R1&3 BSS Feeder-link network with SPS_REPORTS (5)

4.1 Compressed Report / Draft of Special Section

"Compressed" Report (Affected Beams/Channels)

File

Affected Beams and Channels(sorted by Orbital Position)

EPM Criterion (An.1 to App.30)

Orb.Pos.	Adm.	Beam Name	Channels Identified as Affected (App.30A, Ann.1, Sect.4)	Max.Degrad	Sat.Network Id.	Band GHz
140.00	RUS	RSTRSD51	25	0.722	RST-5	17
142.00	HOL	10017780	9,11,13,15,17,19,21,23	0.702	NSS-BSS 142E	17
		10017781	12,14,16,18,20,22	0.591		17
		10017782	11,13,15,17,19,21,23	0.688		17
		10017783	12,14,16,18,20,22	0.602		17

1. Select "Data Presentation Options"
 2. Click "Reproduce Report"

Data Presentation Options

Cells' Merging
 Merge Cells
 No Cell Merging

Rows' Sorting (also for print)
 By Orbital Position
 By Administration

Reproduce Report
 Print Report
 Create Draft of Special Section (in RTF format)
 Show Output DB Structure

Exercise 2 : Viewing results of MSPACE for a R1&3 BSS Feeder-link network with SPS_REPORTS (6)

4.1 Compressed Report / Draft of Special Section (Cont.)

"Compressed" Report (Affected Beams/Channels)

File

Affected Beams and Channels(sorted by Orbital Position)

EPM Criterion (An.1 to App.30)

Orb.Pos.	Adm.	Beam Name	Channels Identified as Affected (App.30A, Ann.1, Sect.4)	Max.Degrad	Sat.Network Id.	Band GHz
140.00	RUS	RSTRSD51	25	0.722	RST-5	17
142.00	HOL	10017780	9,11,13,15,17,19,21,23	0.702	NSS-BSS 142E	17
		10017781	12,14,16,18,20,22	0.591		17
		10017782	11,13,15,17,19,21,23	0.688		17
		10017783	12,14,16,18,20,22	0.602		17

Click here to produce print version of this report. A message will appear to inform you of the location of the resulting file.

Data Presentation Options

Cells' Merging
 Merge Cells
 No Cell Merging

Rows' Sorting (also for print)
 By Orbital Position
 By Administration

Reproduce Report
Print Report
Create Draft of Special Section (in RTF format)
Show Output DB Structure

Exercise 2 : Viewing results of MSPACE for a R1&3 BSS Feeder-link network with SPS_REPORTS (7)

4.2 Graphical Report

Each row could contain multiple criteria.

The screenshot shows the 'Graphical' Report application window. The title bar reads '"Graphical" Report'. The main area is a world map with a grid, showing numerous red 'x' markers primarily in Europe, Africa, and Asia. The map axes range from 90.0S to 90.0N latitude and 150.0W to 150.0E longitude.

Search criteria fields on the left include:

- Administrations: RUS
- Sat.Network Id: (empty)
- Beam Names: (empty)
- Channels: (empty)

The 'Available Values' list on the right contains:

- RUS
- AFG24501
- 00003545
- 1

Buttons on the right include 'Copy Map onto Clipboard' and 'Run Query and Plot Map'. A status bar at the bottom says 'Done... You may prepare and run a new query.' and there is a checkbox for 'Plot Affected Test Points only'.

1. Select criteria for the query.
2. Click "Run Query and Plot Map to view the report".

Select this option to display only affected test points.

Exercise 2 : Viewing results of MSPACE for a R1&3 BSS Feeder-link network with SPS_REPORTS (8)

4.3 Reference Situation/Findings Report

Each row could contain multiple criteria.

Reference Situation / Calculated Margin Report (Query System)

Search Criteria
Criteria Used for Report/Query - empty box means any value

Administrations: RUS
Longitude: 140
Nominal degrees: 140
Beam Names:
Channels:
Satellite:
Network Id.(s):

Available Values
RUS
140
00003545
1
AFG24501

Legend
Affected Channel: 13
Affected Test Point: -0.360, -0.985

Select (or type) criteria from combo boxes on the right (click on wanted ones). Delete not required search criteria from the boxes above.

Output sorted by Administration, Longitude Nominal, Beam Name, Channel

N/E - Non-Existing Reference Situation (Additions, Modifications, No Interference)

Retrieve Ref.Sit./ Margin

Test Points' Coordinates (Longitude/Latitude) degrees

Adm.	Orb.Pos.	Beam Name	Ch.	TP 1 Ref.Sit Margin	TP 2 Ref.Sit Margin	TP 3 Ref.Sit Margin	TP 4 Ref.Sit Margin	TP 5 Ref.Sit Margin	TP 6 Ref.Sit Margin	TP 7 Ref.Sit Margin	TP 8 Ref.Sit Margin	TP 9 Ref.Sit Margin	TP 10 Ref.Sit Margin	TP 11 Ref.Sit Margin
	Sat.Network Id.:			145.48°	87.30°	107.50°	137.60°	168.18°	77.00°	179.50°	-170.00°	162.46°	128.40°	
	RST-5			43.60°	49.22°	50.60°	50.80°	54.43°	60.88°	62.68°	66.00°	69.62°	73.29°	
RUS	140.00	RSTRSD51	25	2.978 2.194	2.074 1.290	3.699 2.915	3.776 2.992	1.150 0.366	3.828 3.044	1.230 0.446	0.062 -0.722	2.894 2.110	3.294 2.510	
		RSTRSD51	27	10.010	9.107	10.732	10.809	8.183	10.860	8.263	7.095	9.927	10.327	
		RSTRSD51	29	5.935 4.501	5.031 3.597	6.656 5.222	6.733 5.299	4.107 2.673	6.785 5.351	4.188 2.754	3.020 1.586	5.852 4.418	6.251 4.817	
		RSTRSD51	31	4.545 3.459	3.641 2.555	5.266 4.180	5.343 4.257	2.717 1.631	5.395 4.309	2.798 1.712	1.630 0.544	4.462 3.376	4.862 3.776	
		RSTRSD51	33	4.545 3.459	3.641 2.555	5.266 4.180	5.343 4.257	2.717 1.631	5.395 4.309	2.797 1.712	1.630 0.544	4.461 3.376	4.861 3.775	
		RSTRSD51	35	4.545 3.459	3.641 2.555	5.266 4.180	5.343 4.257	2.717 1.631	5.395 4.309	2.797 1.712	1.630 0.544	4.461 3.376	4.861 3.775	
		RSTRSD51	37	4.545 3.470	3.641 2.567	5.266 4.192	5.343 4.268	2.717 1.642	5.395 4.320	2.798 1.723	1.630 0.555	4.462 3.387	4.862 3.787	
				4.545	3.641	5.266	5.343	2.717	5.395	2.797	1.630	4.462	4.862	

16 rows displayed. You may specify different criteria and run your next query if you wish

RTF Report Close

Reference Situation for the test point

Calculated Margin for the test point

Click here to retrieve Ref.Sit./Margin

Click here to produce print version of this report. A message will appear to inform you of the location of the resulting file.

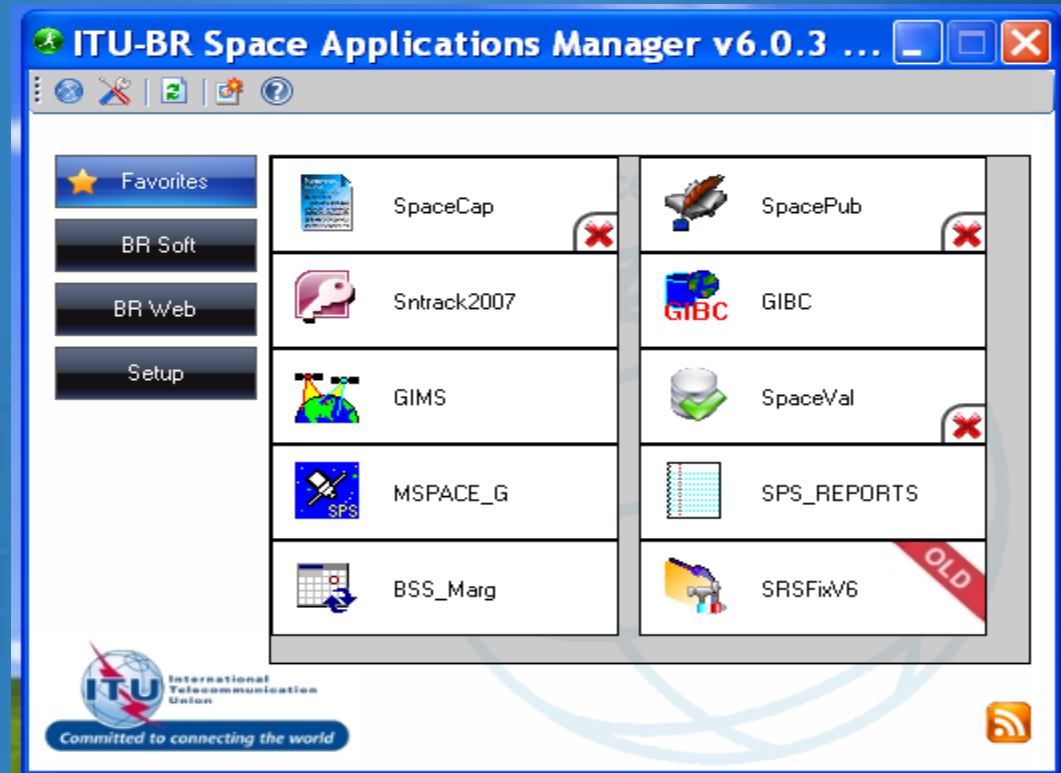
Exercise 3

Viewing results of MSPACE for a Region 2 network with SPS_REPORTS

Exercise 3 : Viewing results of MSPACE for a Region 2 network with SPS_REPORTS (1)

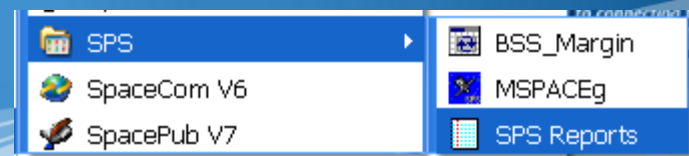
1. Start SPS_REPORTS

□ from the SAM



□ Or from Start menu

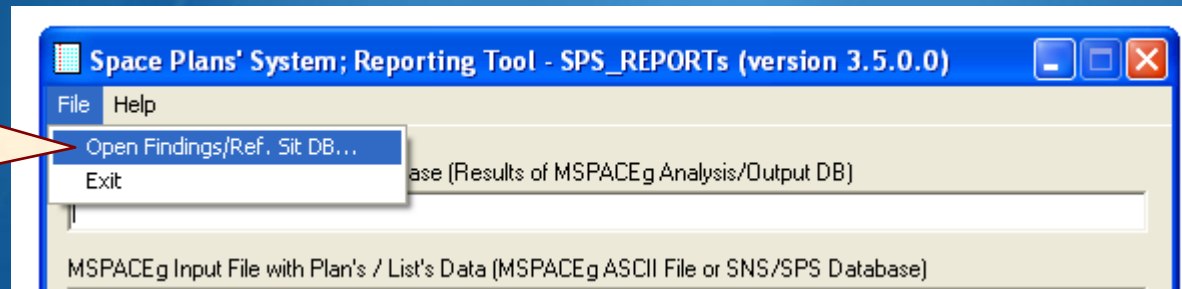
Start > All Programs > BR Space Applications



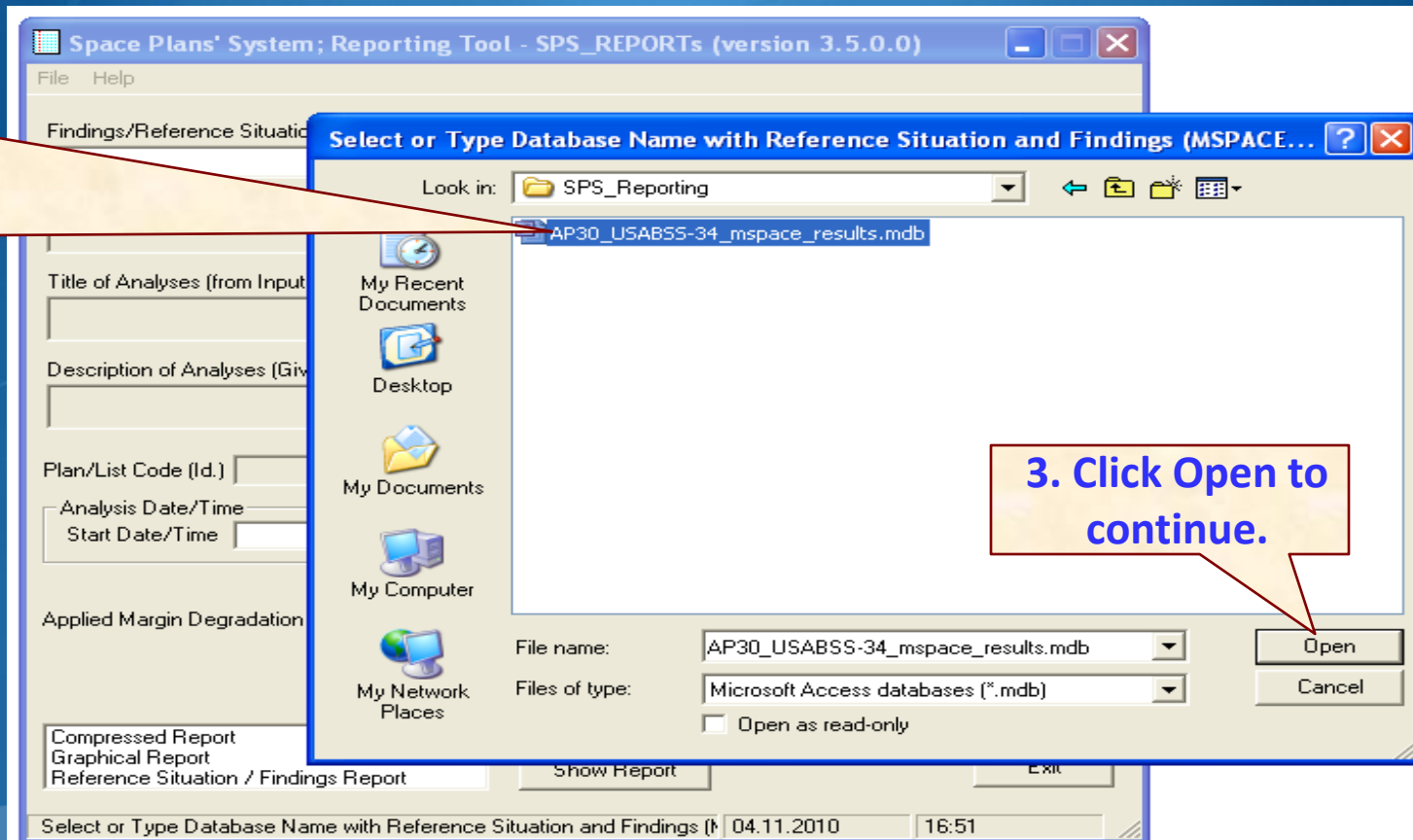
Exercise 3 : Viewing results of MSPACE for a Region 2 network with SPS_REPORTS (2)

2. Select an Mspace results database

1. Select Open Findings/Ref. Sit DB...



2. Select MSPACE results database containing the results of analysis for the R1&3 BSS network.



3. Click Open to continue.

Exercise 3 : Viewing results of MSPACE for a Region 2 network with SPS_REPORTS (2)

3. Select a version to analyze

The screenshot shows the 'Space Plans' System; Reporting Tool - SPS_REPORTS (version 3.6.0.1) window. The main window displays the following information:

- File Help
- Findings/Reference Situation Database (Results of MSPACEg Analysis/Output DB)
- C:\WRS_2010\SPS_Reporting\AP30-30A_NSS-BSS 58W_mspace_results.mdb
- MSPACEg Input File with Plan's / List's Data (MSPACEg ASCII File or SNS/SPS Database)

A dialog box titled 'Select Plan/List which you want to analyse....' is overlaid on the main window. It contains the following text:

Please, choose a Plan, which you want to analyze from the list below (by clicking on the related row) and click on OK button

Analysis Version	Plan Id	Title in MSPACEg ASCII Input File	Analysis Description by the User
1	30_2		NSS-BSS 58W

At the bottom of the dialog box, there are 'OK' and 'Cancel' buttons. Below the dialog box, there is a 'Graphical Report' dropdown menu with 'Reference Situation / Findings Report' selected, and 'Show Report' and 'Exit' buttons. The status bar at the bottom of the main window shows 'Select or Type Database Name with Reference Situation and Findings (F) 23.11.2010 15:19'.

1. Select one version each time.
2. Click OK.

Exercise 3 : Viewing results of MSPACE for a Region 2 network with SPS_REPORTS (3)

4. Select a report

1. Select one report each time.
2. Click "Show Report"

Space Plans' System; Reporting Tool - SPS_REPORTs (version 3.5.0.0)

File Help

Findings/Reference Situation Database (Results of MSPACEg Analysis/Output DB)

MSPACEg Input File with Plan's / List's Data (MSPACEg ASCII File or SNS/SPS Database)

Title of Analyses (from Input File)

Description of Analyses (Given by the User)

Plan/List Code (Id.) MSPACEg Version Selected Analysis Version

Analysis Date/Time
 Start Date/Time End Date/Time

Applied Margin Degradation Limit (dB)

Compressed Report
 Graphical Report
 Reference Situation / Findings Report

Show Report

Exit

Select or Type Database Name with Reference Situation and Findings (↓)

Exercise 3 : Viewing results of MSPACE for a Region 2 network with SPS_REPORTS (4)

4.1 Compressed Report / Draft of Special Section

"Compressed" Report (Affected Beams/Channels)

File

Affected Beams and Channels(sorted by Orbital Position)

Orb.Pos.	Adm.	Beam Name	Affected Channels	DEPM Degrad.	Sat.Network Id.
-148.00	USA	USABS9E2	2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32	0.420	USABSS-9
		USABS9D2	1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31	0.390	USABSS-9
-136.20	MEX	MEX02NTE	3,5,7,9,11,13,15,17,31	0.278	MEX02NTE
-135.80		MEX02NTE	2,4,6,8,10,12,14,16	0.301	MEX02NTE
-129.00	CAN	10017020	3	0.290	CAN-BSS7
		10017021			CAN-BSS7
-119.00	USA	10017225	2,4,6,12,14,16,18	0.274	USABSS-14
		10017229	11,13,15,17,19,21	0.282	USABSS-14
-110.00	USA	10017292	12,14,16,18,20	0.474	USABSS-15
		10017293		0.777	USABSS-15
		10017296		0.462	USABSS-15
		10017297		0.718	USABSS-15
-106.20	CHL	CHLCONT5	3,5,7,9,11,13,15,31	0.272	CHLCONT5
-101.20	USA	00007344	2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32	0.418	USABSS-1R
		00007347		0.489	USABSS-1R
		00007350		0.416	USABSS-1R
		00007353		0.492	USABSS-1R
-92.30	JMC	CRBBLZ01	2	0.264	CRBBLZ01
-86.50	G	10010691	17,21,25,29	0.313	USAT-S3 MOD-C
		10010695		0.310	USAT-S3 MOD-C
		10012848		0.421	USABSS-27

Data Presentation Options

Cells' Merging

Merge Cells

No Cell Merging

Rows' Sorting (also for print)

By Orbital Position

By Administration

Reproduce Report

Print Report

Create Draft of Special Section (in RTF format)

Show Output DB Structure

1. Select "Data Presentation Options"
2. Click "Reproduce Report"

Exercise 3 : Viewing results of MSPACE for a Region 2 network with SPS_REPORTS (5)

4.1 Compressed Report / Draft of Special Section (Cont.)

"Compressed" Report (Affected Beams/Channels)

File

Affected Beams and Channels(sorted by Orbital Position)

Orb.Pos.	Adm.	Beam Name	Affected Channels	DEPM Degrad.	Sat.Network Id.
-148.00	USA	USABS9E2	2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32	0.420	USABSS-9
		USABS9D2	1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31	0.390	USABSS-9
-136.20	MEX	MEX02NTE	3,5,7,9,11,13,15,17,31	0.278	MEX02NTE
-135.80		MEX02NTE	2,4,6,8,10,12,14,16	0.301	MEX02NTE
-129.00	CAN	10017020	3	0.290	CAN-BSS7
		10017021			CAN-BSS7
-119.00	USA	10017225	2,4,6,12,14,16,18	0.274	USABSS-14
		10017229	11,13,15,17,19,21	0.282	USABSS-14
-110.00	USA	10017292	12,14,16,18,20	0.474	USABSS-15
		10017293		0.777	USABSS-15
		10017296		0.462	USABSS-15
		10017297		0.718	USABSS-15
-106.20	CHL	CHLCONT5	3,5,7,9,11,13,15,31	0.272	CHLCONT5
-101.20	USA	00007344	2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32	0.418	USABSS-1R
		00007347		0.489	USABSS-1R
		00007350		0.416	USABSS-1R
		00007353		0.492	USABSS-1R
-92.30	JMC	CRBBLZ01	2	0.264	CRBBLZ01
-86.50	G	10010691	17,21,25,29	0.313	USAT-S3 MOD-C
		10010695		0.310	USAT-S3 MOD-C
		10012848		0.421	USABSS-27

Data Presentation Options

Cells' Merging
 Merge Cells
 No Cell Merging

Rows' Sorting (also for print)
 By Orbital Position
 By Administration

Reproduce Report
 Print Report

Create Draft of Special Section (in RTF format)

Show Output DB Structure

Click here to produce print version of this report. A message will appear to inform you of the location of the resulting file.

Exercise 3 : Viewing results of MSPACE for a Region 2 network with SPS_REPORTS (6)

4.2 Graphical Report

Each row could contain multiple criteria.

1. Select criteria for the query.
2. Click "Run Query and Plot Map to view the report".

The screenshot shows the 'Graphical' Report software interface. The main window is titled 'Graphical' Report and contains a search form for test points. The search criteria are: Administrations: G, Sat.Network Id: USAT-S3 MOD-C, Beam Names: (empty), and Channels: (empty). The 'Available Values' list shows G, USAT-S3 MOD-C, 10011968, and 1. The map displays the Pacific region with several red asterisks indicating affected test points. The legend on the right shows 'Feeder Link Test Point' with a red asterisk. The status bar at the bottom indicates 'Done... You may prepare and run a new query.'

Select criteria for the query.
Click "Run Query and Plot Map to view the report".

Select this option to display only affected test points.

Exercise 3 : Viewing results of MSPACE for a Region 2 network with SPS_REPORTS (7)

4.3 Reference Situation/Findings Report

Each row could contain multiple criteria.

Reference Situation / Calculated Margin Report (Query System)

Search Criteria
 - Criteria Used for Report/Query - empty box means any value

Administrations: G
 Longitude: -86.5
 Nominal degrees: -86.5
 Beam Names: USABSS2
 Channels:
 Satellite: USAT-S3 MOD-C
 Network Id.(s):

Available Values
 G
 -86.5
 USABSS2
 1
 USAT-S3 MOD-C

Legend
 Affected Channel: 13
 Affected Test Point: -0.360, -0.985

Select (or type) criteria from combo boxes on the right (click on wanted ones). Delete not required search criteria from the boxes above.

Output sorted by Administration, Longitude Nominal, Beam Name, Channel

N/E - Non-Existing Reference Situation (Additions, Modifications, No Interference)

Only Affected Beams / Channels to Be Shown

Retrieve Ref.Sit./ Margin

Test Points' Coordinates (Longitude/Latitude) degrees

Adm.	Orb.Pos.	Beam Name	Ch.	TP 1 Ref.Sit Margin	TP 2 Ref.Sit Margin	TP 3 Ref.Sit Margin	TP 4 Ref.Sit Margin	TP 5 Ref.Sit Margin	TP 6 Ref.Sit Margin	TP 7 Ref.Sit Margin	TP 8 Ref.Sit Margin	TP 9 Ref.Sit Margin	TP 10 Ref.Sit Margin	TP 11 Ref.Sit Margin
G	-86.50	10010691	21	-3.530 -3.840	-4.530 -4.822	-3.611 -3.838	-4.537 -4.761	-4.950 -5.155	-6.639 -6.795	-6.965 -7.111	-6.472 -6.633	-9.829 -9.933		
		10010691	23	-6.628 -6.783	-6.988 -7.155	-5.730 -5.871	-6.356 -6.505	-6.567 -6.709	-8.263 -8.370	-8.189 -8.300	-7.644 -7.768	-10.629 -10.716		
		10010691	25	-3.534 -3.844	-4.532 -4.824	-3.607 -3.834	-4.539 -4.763	-4.951 -5.156	-6.658 -6.814	-6.971 -7.117	-6.450 -6.612	-9.770 -9.876		
		10010691	27	-6.628 -6.783	-6.988 -7.155	-5.728 -5.869	-6.357 -6.505	-6.570 -6.712	-8.275 -8.383	-8.186 -8.297	-7.648 -7.772	-10.674 -10.761		
		10010691	29	-3.533 -3.843	-4.531 -4.822	-3.606 -3.833	-4.539 -4.763	-4.958 -5.162	-6.642 -6.798	-6.969 -7.114	-6.451 -6.612	-9.833 -9.938		
		10010691	31	-6.627 -6.782	-6.987 -7.155	-5.729 -5.869	-6.356 -6.505	-6.571 -6.713	-8.263 -8.371	-8.187 -8.298	-7.644 -7.767	-10.620 -10.707		
		Sat.Network Id.: USAT-S3 MOD-C		-93.13° 16.77°	-99.87° 16.92°	-99.20° 19.40°	-104.92° 21.52°	-107.45° 24.78°	-100.30° 25.70°	-106.12° 28.63°	-110.97° 29.07°	-117.03° 32.48°		
G	-86.50	10010695	1	-4.532 -4.728	-4.895 -5.108	-4.069 -4.231	-4.776 -4.944	-5.195 -5.349	-7.047 -7.159	-7.142 -7.253	-6.545 -6.670	-9.715 -9.800		
					-6.343	-6.734	-5.502	-6.126	-6.321	-8.030	-7.939	-7.426	-10.455	

32 rows displayed. You may specify different criteria and run your next query if you wish

RTF Report Close

Reference Situation for the test point

Calculated Margin for the test point

Click here to retrieve Ref.Sit./Margin

Click here to produce print version of this report. A message will appear to inform you of the location of the resulting file.

Annex1: Where to get an install package of SPS (1)

- Latest SPS install package could be downloaded from the ITU website at:

<http://www.itu.int/en/ITU-R/space/plans/Pages/AP30-30A.aspx>

International Telecommunication Union

Home > ITU-R > Space Services > Space Plans

Search: Google Custom Search

Areas of Work Newsroom Events Publications Statistics About ITU

Appendices 30 & 30A BSS Plan (including associated MSPACEg software)

Various World Radiocommunication Conferences have revised Appendices **30** and **30A** to the Radio Regulations. In accordance with Resolution **546** (WRC-03), the revised Appendices **30** and **30A** entered into force on 5 July 2003 with the exception of the footnotes to § 4.1.15, 4.1.15, 4.2.8 and 4.2.9 and the revised Annexes. Those footnotes entered into force on 1 August 2003 and the revised Annexes entered into force on 1 January 2004.

In accordance with *resolves 2* of Resolution **533** (Rev.WRC-2000) and *resolves 1* of Resolution **546** (WRC-03), the Bureau is using the revised Appendices **30** and **30A** as adopted at WRC-03 in its examination of submissions received as from 3 June 2000.

The Bureau is currently examining the regulatory and technical aspects of these submissions. It is also publishing Special Sections, that contain the final satellite network characteristics and coordination requirements.

The latest reference situations resulting from this review are contained in the zipped SPS Version 6.1 database below.

Space Plans Systems (SPS) Version 6.1 Database	Size	Updated
SPS_ALL_IFIC2680	18.3 MB	19.10.10

NOTE 1 - The technical characteristics and reference situation (EPM) for the Appendix 30/30A Plans & Lists and for pending Article 4 networks are provided in the Space Plans Systems (SPS) Version 6.1 database (MS Access 2000 format). In order to properly view the SPS database, [SpaceCap](#) (v6 or later) or [SpacePub](#) (v6 or later) software is required. SPS (v6 or later) is required to perform an MSPACEg analysis on the networks contained in this database. Note that this database does not yet contain data for Appendix 30B networks (The Appendix 30B database is [here](#)).

NOTE 2 - Reference EPM values provided in the Regions 1 & 3 Plan and List files were calculated using the MSPACEg software and List assignments and a 9° orbital separation limit. The user should set the MSPACEg option 'Use 9° separation limit'.

NOTE 3 - The following software needs to be installed to perform an analysis on the SPS database:

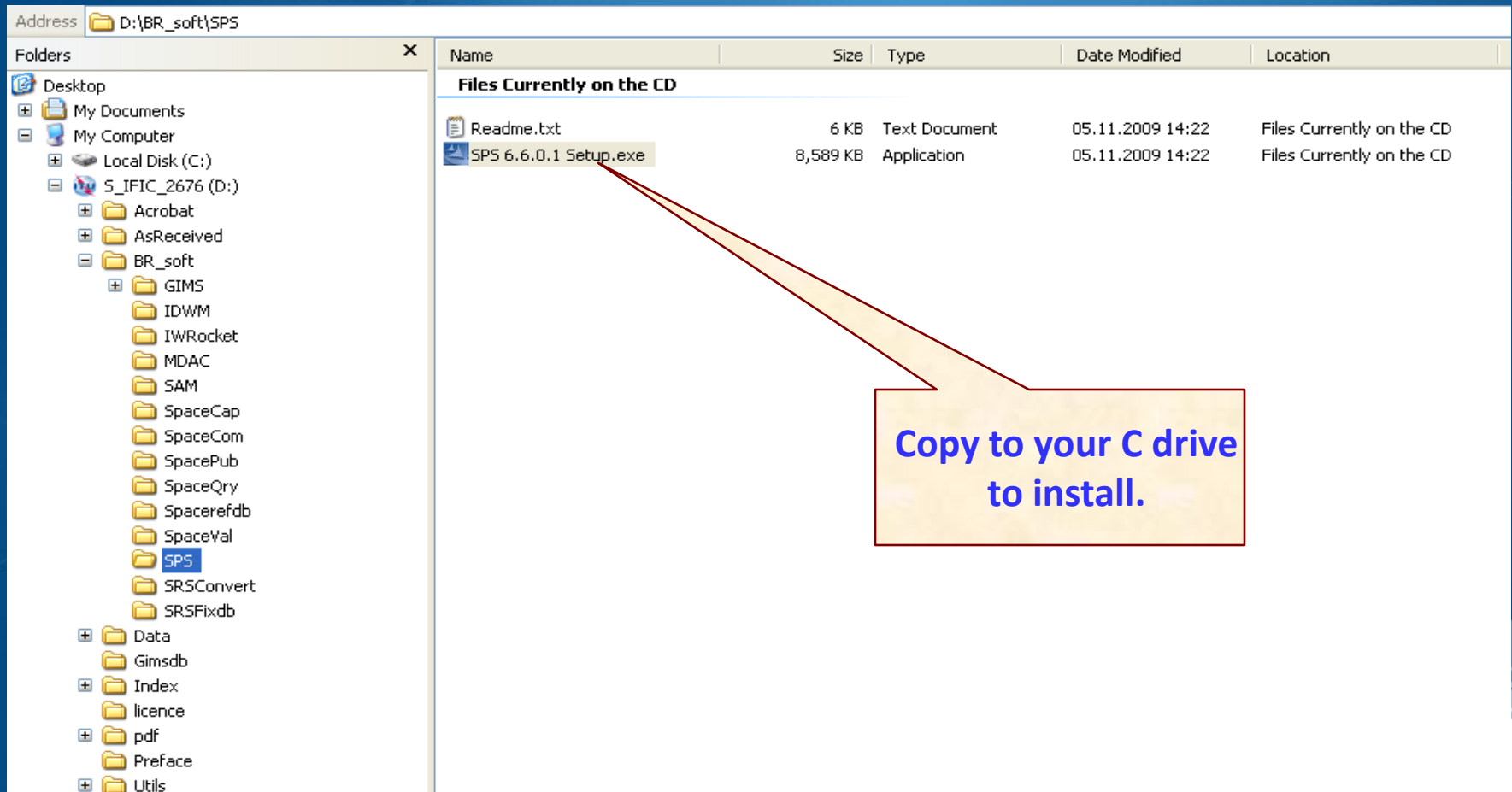
- o [SPS version 6.6.0.1 for Appendices 30 & 30A](#) [8.19 MB] Updated 17.11.2009 (to install, download unzip and run **SPS 6.6.0.1 Setup.exe**).
- o [GIBC v8.0.0.12 or later](#). Available from the [SRS-on-DVD](#) or BR IFIC
- o [GIMS v7.0 or later](#). Available from the [SRS-on-DVD](#) or BR IFIC
- o [GIMS Database](#). Available from the [SRS-on-DVD](#) (incremental updates are on the BR IFIC)

Click here to download SPS install package. SPS_REPORTS is part of the SPS.

Annex1: Where to get an install package of SPS (2)

- SPS install package could also be obtained from BR IFICs (Space Services) from the following directory.

\BR_soft\SPS\



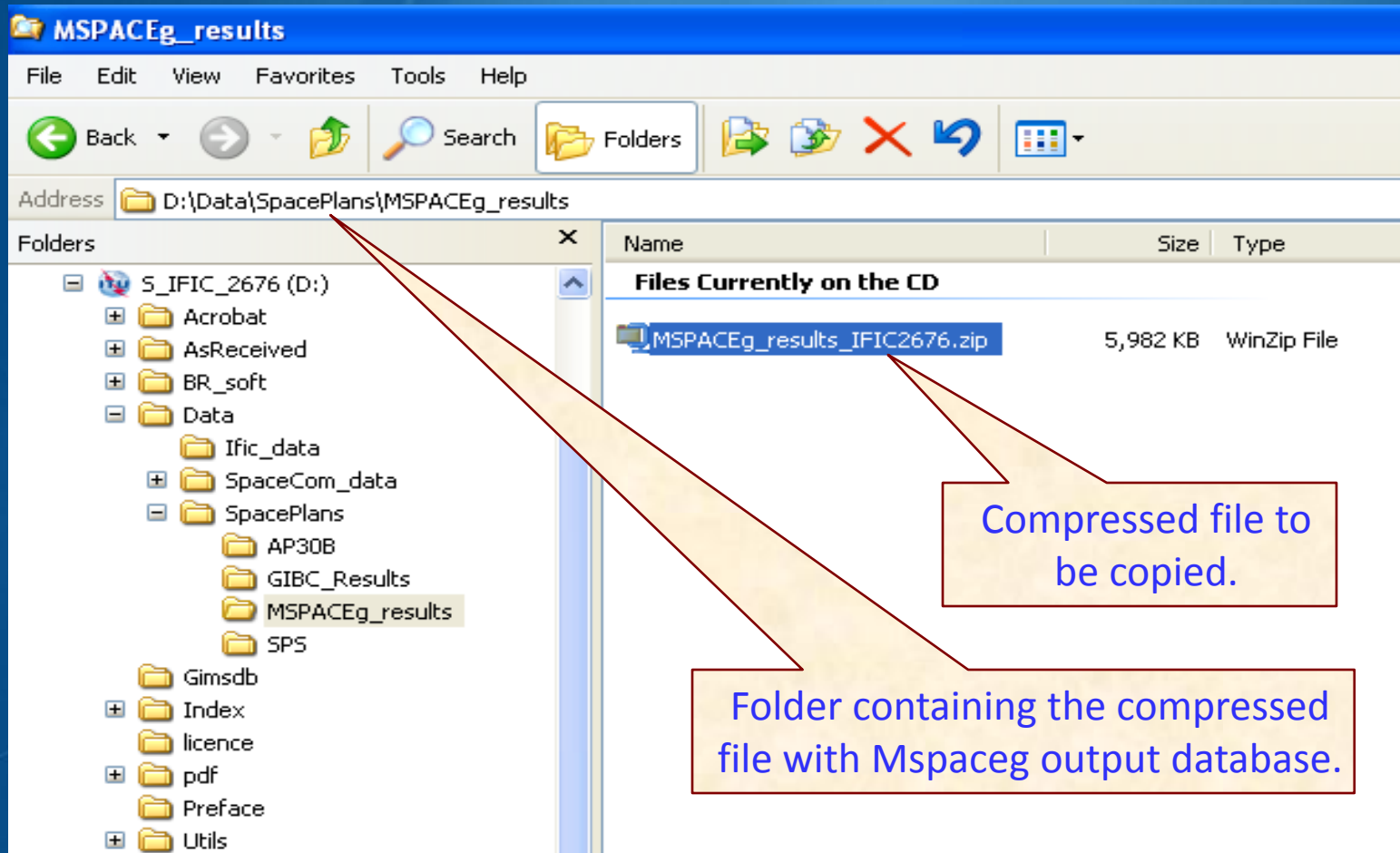
Address: D:\BR_soft\SPS

Folders: Desktop, My Documents, My Computer, Local Disk (C:), S_IFIC_2676 (D:), Acrobat, AsReceived, BR_soft, GIMS, IDWM, IWRocket, MDAC, SAM, SpaceCap, SpaceCom, SpacePub, SpaceQry, Spacerefdb, SpaceVal, SPS, SR5Convert, SR5Fixdb, Data, Gimsdb, Index, licence, pdf, Preface, Utils

Name	Size	Type	Date Modified	Location
Files Currently on the CD				
Readme.txt	6 KB	Text Document	05.11.2009 14:22	Files Currently on the CD
SPS 6.6.0.1 Setup.exe	8,589 KB	Application	05.11.2009 14:22	Files Currently on the CD

Copy to your C drive to install.

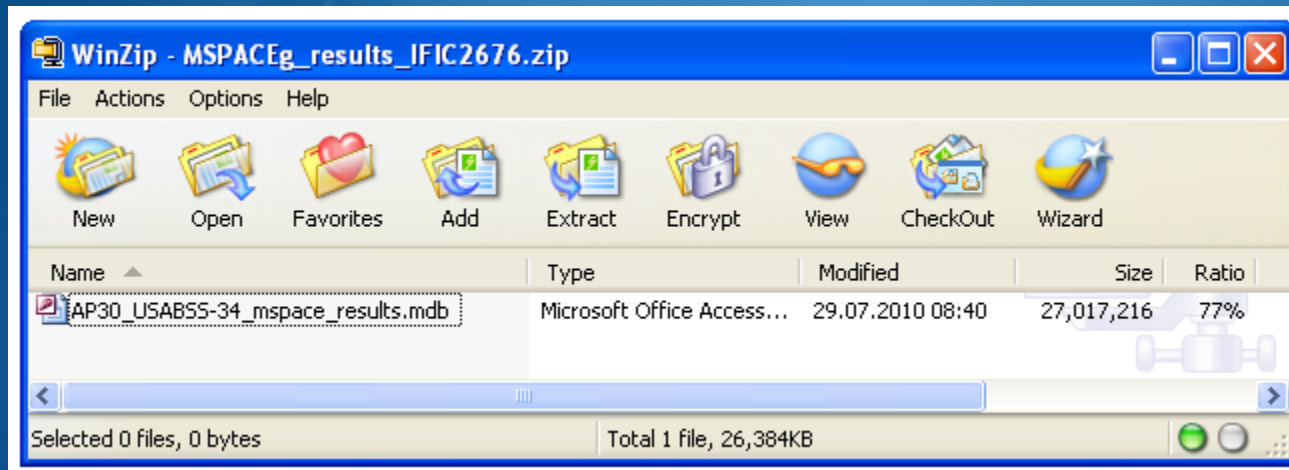
Annex2: Get Mspace results available in BR IFICs (1)



Copy the compressed file with Mspaceg output databases containing analysis results from the BRIFIC to the user's computer.

Annex2: Get Mspace results available in BR IFICs (2)

Unpack the compressed file to get the Mspaceg output database(s)



The analysis results of the USABSS-34 network (downlink part) are stored in the file having name, which combines:

- ✓ a prefix - AP30 for R1&3 BSS; AP30A for R1&3 BSS Feeder-link and AP30_30A for R2 BSS/Feeder-link;
- ✓ a given network name (USABSS-34);
- ✓ suffix – mspaceg_results;
- ✓ dot (.);
- ✓ extension – MDB.