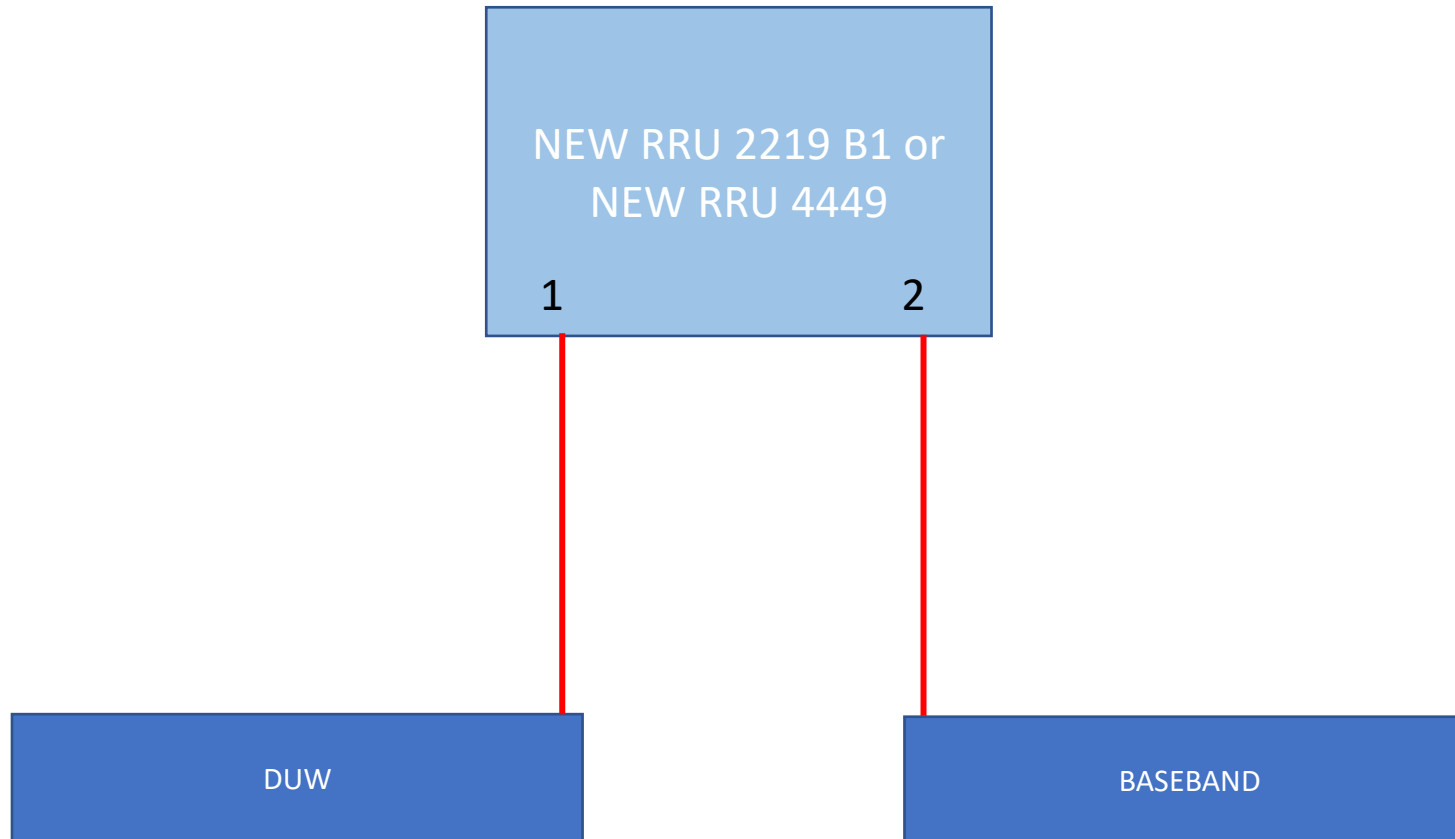


MIXMODE RRU INSTALLATION DIAGRAM



IF UR MUSLIM , PLS START YOUR WORK WITH AL-FATIHAH

SURAH AL-FATIHAH

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ ﴿١﴾
الْحَمْدُ لِلَّهِ رَبِّ الْعَالَمِينَ ﴿٢﴾ الرَّحْمَنِ الرَّحِيمِ ﴿٣﴾
مَالِكِ يَوْمِ الدِّينِ ﴿٤﴾ إِيَّاكَ نَعْبُدُ وَإِيَّاكَ نَسْتَعِينُ ﴿٥﴾
اهْدِنَا الصِّرَاطَ الْمُسْتَقِيمَ ﴿٦﴾ صِرَاطَ الَّذِينَ أَنْعَمْتَ
عَلَيْهِمْ غَيْرِ الْمَغْضُوبِ عَلَيْهِمْ وَلَا الضَّالِّينَ ﴿٧﴾

Bismillahirrahmanirrahim<1>

Alhamdulillahil rabbil alamin<2>Arrahmaanirrahiim<3>

Maaliki yaumiddiin<4>Iyyaka na'budu waiyyaaka nastaiin<5>

Ihdinasirratal mustaqim<6>Siratalladzina an'ama

alaihim ghairil maghduubi alaihim waladhaulin<7>

Dengan nama Allah, Yang Maha Pemurah, lagi Maha Mengasihani[1]

Pujian bagi Allah, Tuhan yang memelihara dan mentadbirkan sekalian alam[2]

Yang Maha Pemurah, lagi Maha Mengasihani[3]

Yang Menguasai pemerintahan hari Pembalasan (hari Akhirat)[4]

Engkaulah sahaja (Ya Allah) Yang Kami sembah,

dan kepada Engkaulah sahaja kami memohon pertolongan[5]

Tunjukilah kami jalan yang lurus[6]

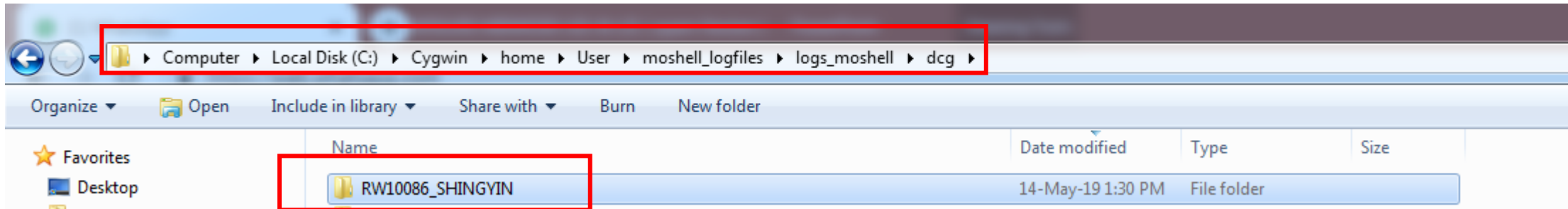
Iaitu jalan orang-orang yang Engkau telah kurniakan nikmat kepada mereka,

bukan (jalan) orang-orang yang dimurkai ke atas mereka,

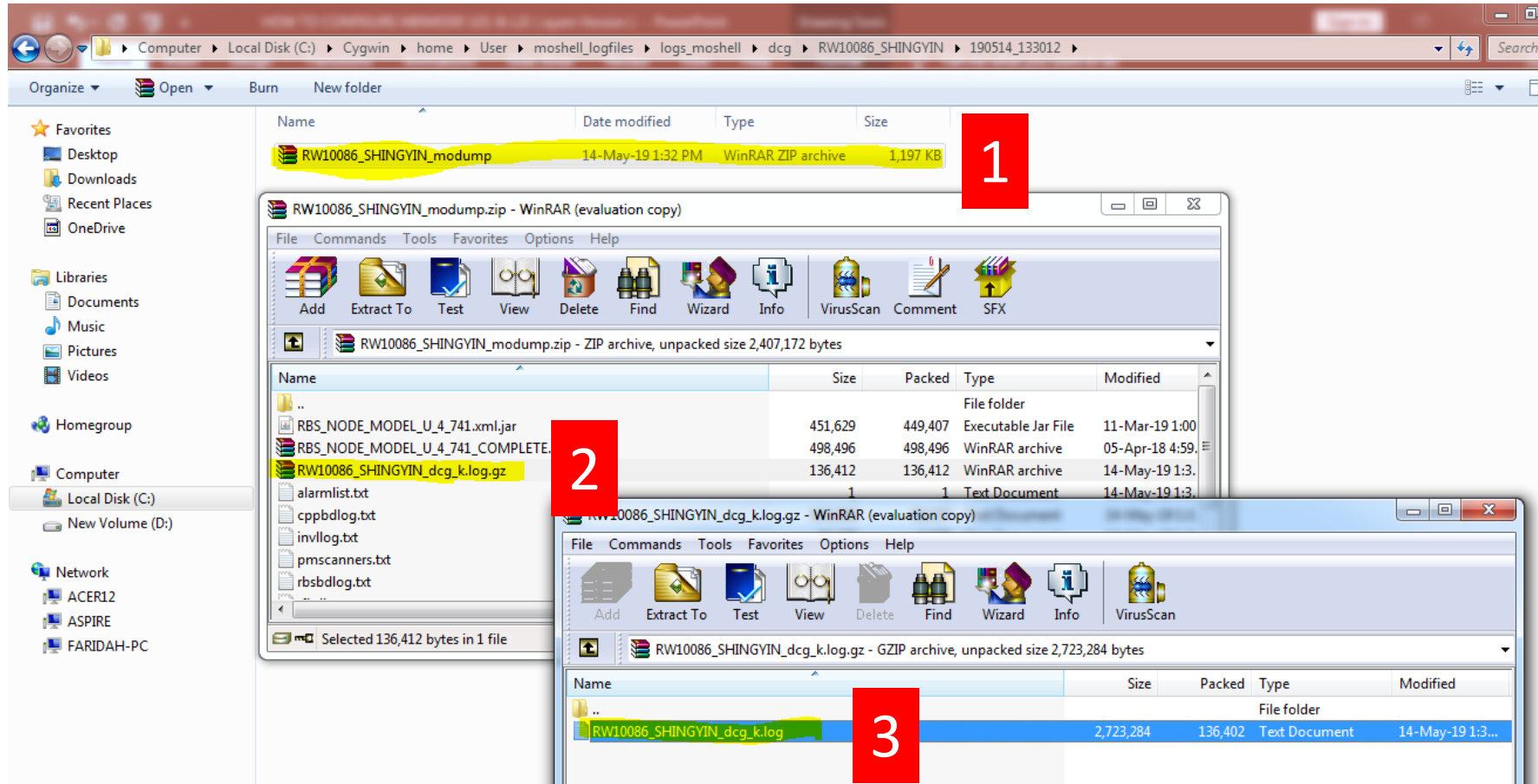
dan bukan pula (jalan) orang-orang yang sesat[7]

CHAPTER 1 DUW PART

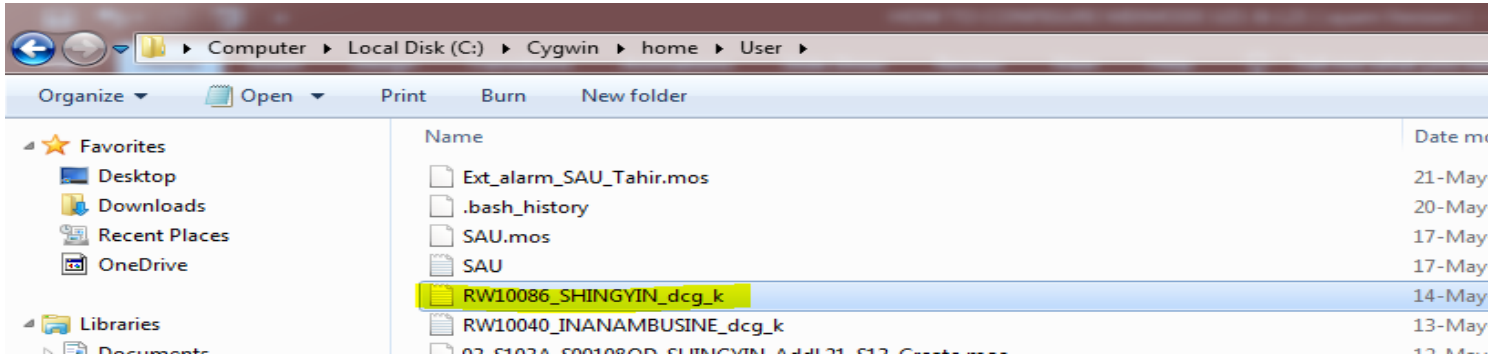
1. Login moshell on DUW
2. Take pre log (GSC)
3. Take prelog (check alarm & etc)
4. Check cv (type “ cvls “)
5. Create new cv (type “ cvms before_mixmode_L21U21_14052019 User Before_mixmode “
6. Take kget (type “ dcgk ”) wait until complete , kget will save on
C:\Cygwin\home\User\moshell_logfiles\logs_moshell\dcg



7. Open kget file , & copy to moshell



8. Copy file to C:\Cygwin\home\User



9. Open moshell , to open kget off line

```
[~]$ dir
09_S105A_5001080D_SHINGYIN_AddL21_S13_Create.mos  BB1_S113A_L000080D_SGBANGAT_dcg_k_modify.log  moshell_install  S13
BB1_Q124D_Q005200D_HUNGHUNG_dcg_k.log           BB2_S105A_S016700D_DOCHOSPITAL2SDK_dcg_k.log  moshell_logfiles  SAU
BB1_S090A_S002750D_KENINGAUTOWN_dcg_k.log       BB2_S110C_S008570D_TMNEWAWASAN_dcg_k.log      moshell18.0c.zip  SAU
BB1_S093B_S000480D_KUWASA_dcg_k.log             Create_EquipSupportFunction_Add_batteryLoad.mos  RA10361_TGARUPLAZA_dcg_k.log  SgB
BB1_S093B_S000480D_KUWASA_log                   Ext_alarm_SAU_Tahir.mos                       RB10112_ASIACITYMALL_dcg_k.log  SgB
BB1_S093D_S000360D_KALANSANAN_dcg_k.log         jarxml                                          RW10086_SHINGYIN_dcg_k.log
BB1_S098B_S005480D_KGSARIP_dcg_k.log            moshell                                       RW10086_SHINGYIN_dcg_k.log
BB1_S113A_L000080D_SGRANGAT_dcg_k.log           moshell.tar                                  S09A_S004500D_PG_WHISLOWRBS_WANWABANAN_dcg_k.log

[~]$ moshell Rw10086_SHINGYIN_dcg_k.log

#####
# Welcome to MoShell 18.0c (LPA108514/1_R18C) #
# Finn Magnusson, Jan Pettersson           #
# http://newtran01.au.ao.ericsson.se/moshell #
# Contact: Finn.Magnusson@ericsson.com      #
# Joakim.xo.0stlund@ericsson.com           #
#####

WARNING: the moshell version currently running is more than 62 weeks old.
It is recommended to always use the latest released moshell version.
Please download the latest version from http://newtran01.au.ao.ericsson.se/moshell

Parsing MOM (cached): /home/User/moshell_logfiles/logs_moshell/tempfiles/20190528-112310_590/RBS_NODE_MODEL_U_4_741_COMPLETE.xml.cache.gz .....
.....Done.
Using paramfile /home/User/moshell/commonjars/pm/PARAM_RBS_U_4_670.txt
Parsing file /home/User/moshell/commonjars/pm/PARAM_RBS_U_4_670.txt .....
Connected to OFFLINE_Rw10086_SHINGYIN_dcg_k.log (SubNetwork=ONRM_ROOT_MO_R,SubNetwork=KTRN18,MeContext=Rw10086_SHINGYIN,ManagedElement=1)
Last MO: 1967. Loaded 1967 MOs. Total: 1968 MOs.

Moshell version of the MO dump: 18.0c
Preparing offline MIB:
0% ~50% ~100%
.....

HELP MENU : h
QUIT      : q

For offline browsing of PM ropfiles, run "pmr/pmx -l <pmropfiles>".
For offline browsing of CPP logfiles, run "lg[options] -l <cpplogfiles>".
The PM ropfiles and CPP logs can be fetched when online, using command "dcgf"
To list all available facc/mcc commands, type "?"
To list all available COLI commands, type "lh all ?"

OFFLINE_Rw10086_SHINGYIN_DCG_K> |
```

10. Login moshell on line , on DUW

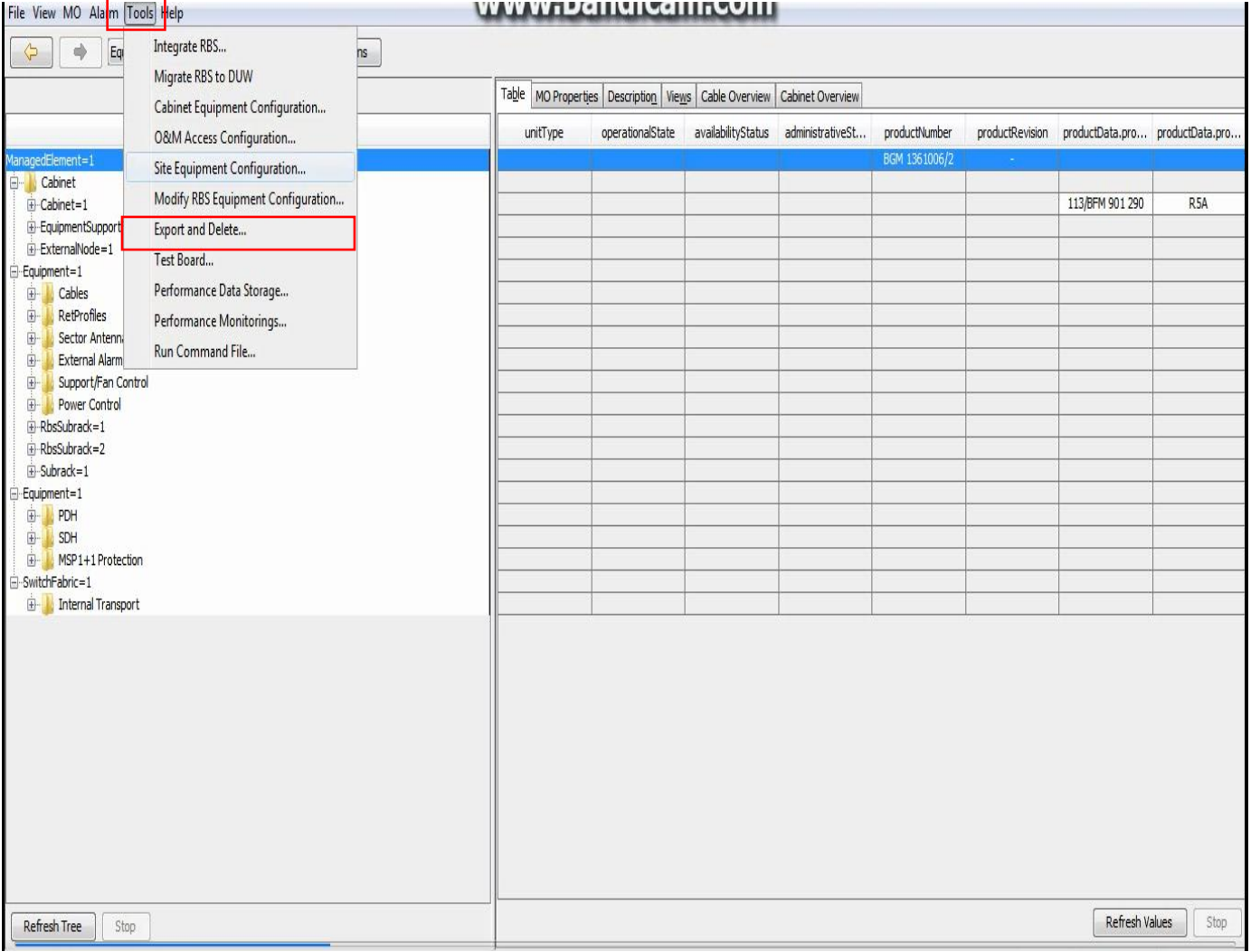
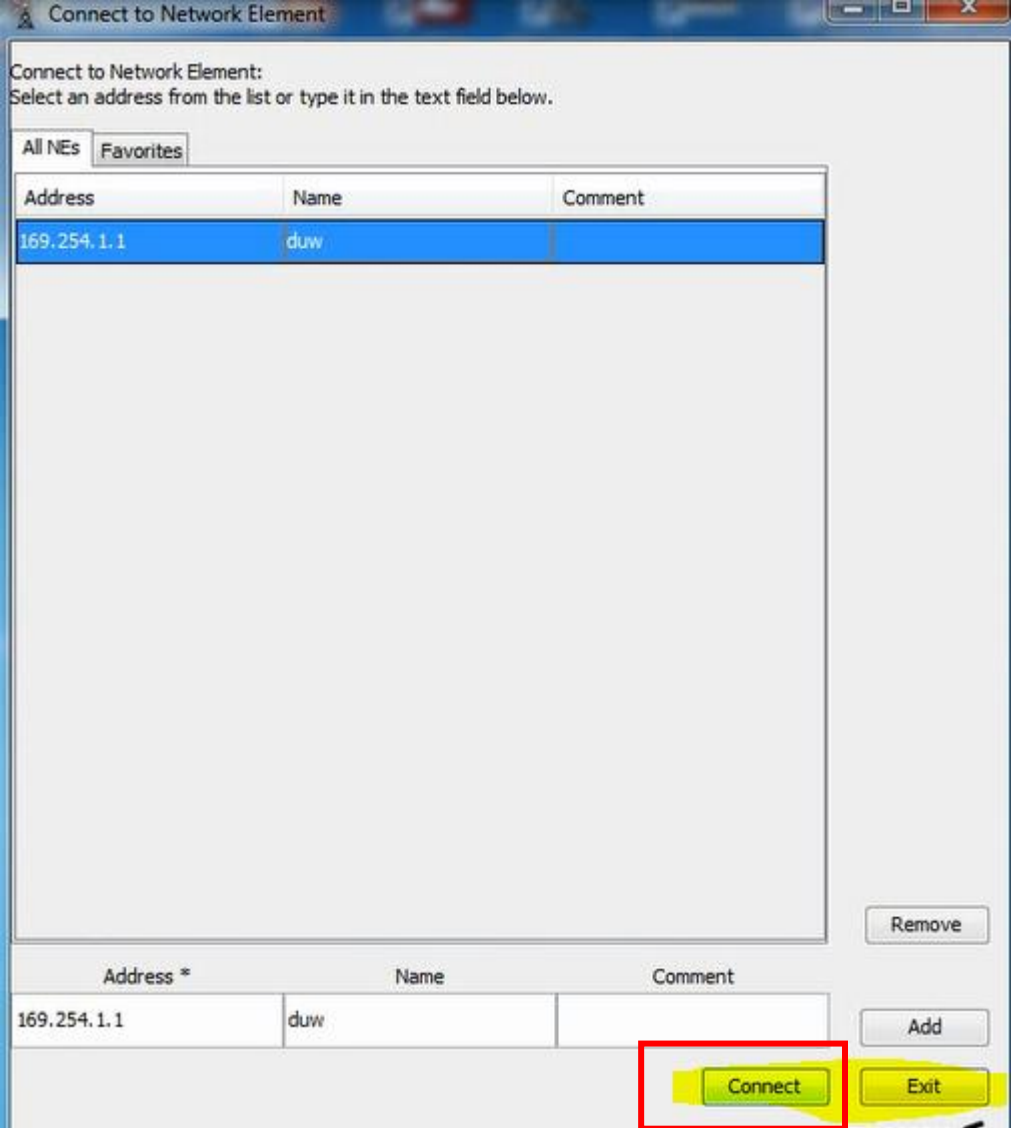
11. lock Rus , Type

- st ruw
- bl ruw
- y
- st ruw (check back if locked)

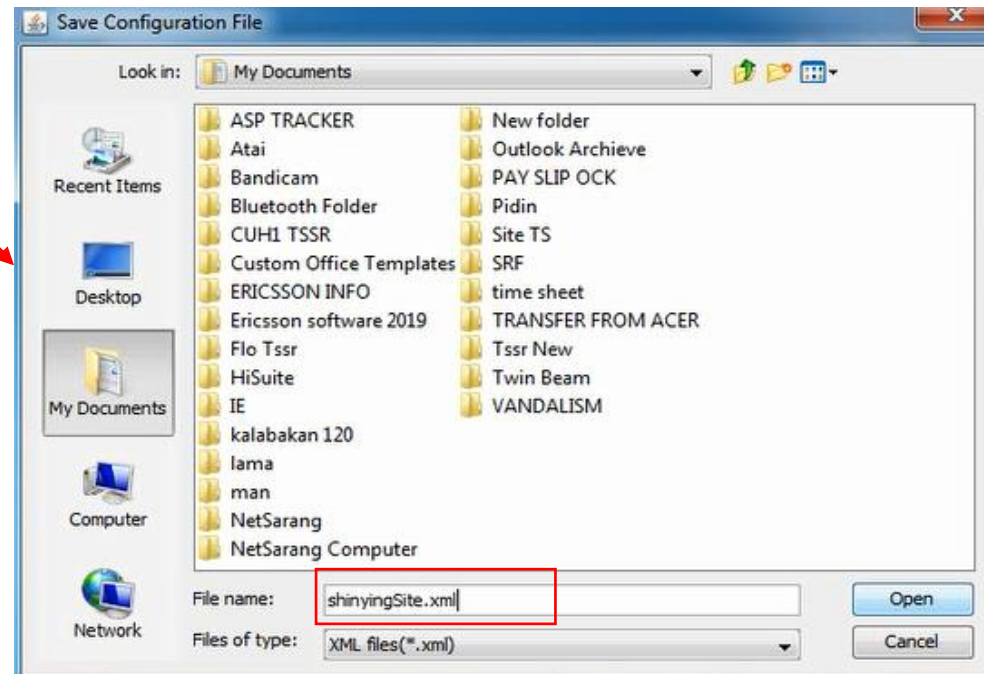
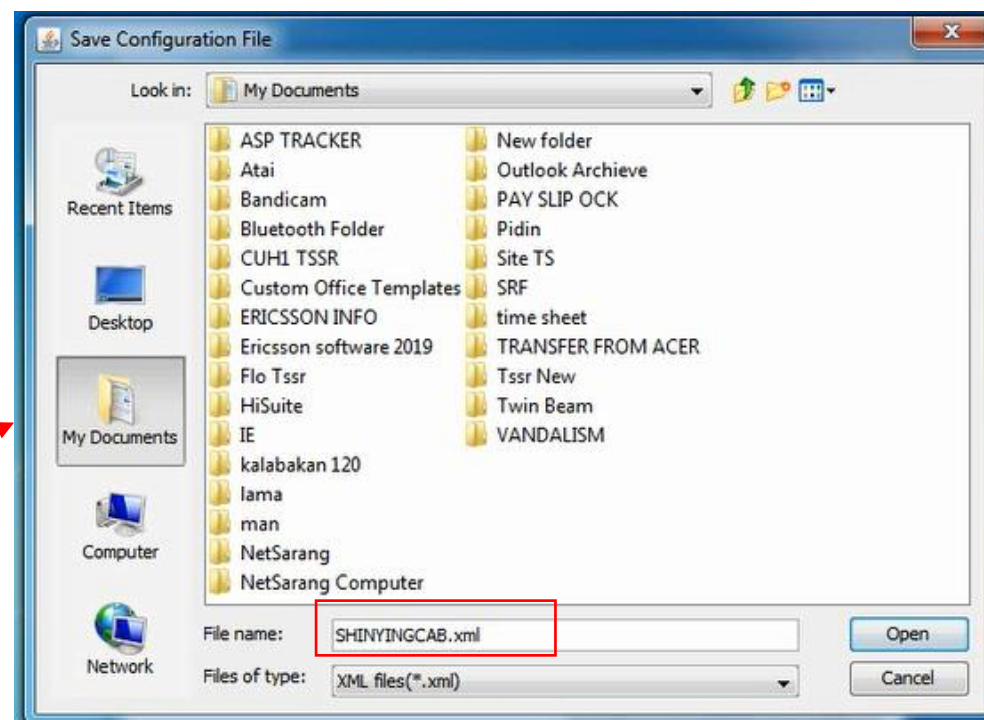
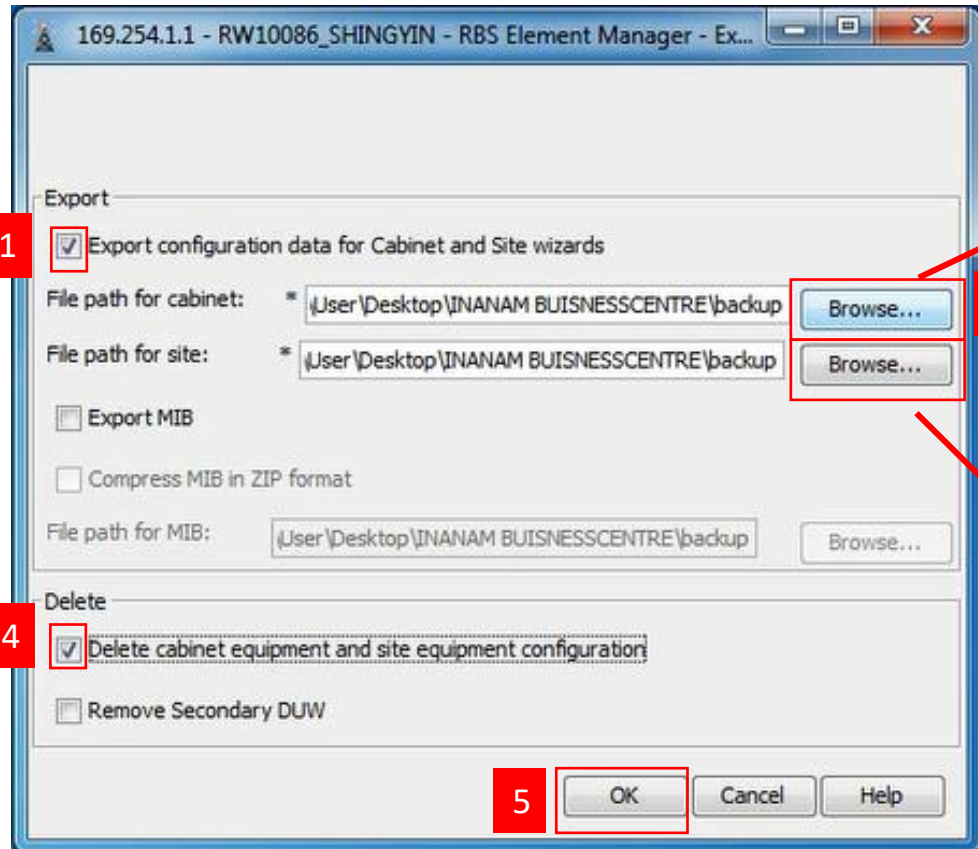
```
190528-11:30:45 OFFLINE_Rw10086_SHINGYIN_dcg_k 18.0c RBS_NODE_MODEL_U_4_741_COMPLETE stopfile=/tmp/618
=====
Proxy  Adm State      Op. State      MO
=====
 420  0 (LOCKED)      1 (ENABLED)    Equipment=1,RbsSubrack=1,RbsSlot=11,AuxPlugInUnit=Ruw-1
 421  1 (ENABLED)      1 (ENABLED)    Equipment=1,RbsSubrack=1,RbsSlot=11,AuxPlugInUnit=Ruw-1,DeviceGroup=Ruw
 465  0 (LOCKED)      1 (ENABLED)    Equipment=1,RbsSubrack=1,RbsSlot=13,AuxPlugInUnit=Ruw-2
 466  1 (ENABLED)      1 (ENABLED)    Equipment=1,RbsSubrack=1,RbsSlot=13,AuxPlugInUnit=Ruw-2,DeviceGroup=Ruw
 512  0 (LOCKED)      1 (ENABLED)    Equipment=1,RbsSubrack=1,RbsSlot=3,AuxPlugInUnit=Ruw-1
 513  1 (ENABLED)      1 (ENABLED)    Equipment=1,RbsSubrack=1,RbsSlot=3,AuxPlugInUnit=Ruw-1,DeviceGroup=Ruw
 557  0 (LOCKED)      1 (ENABLED)    Equipment=1,RbsSubrack=1,RbsSlot=5,AuxPlugInUnit=Ruw-2
 558  1 (ENABLED)      1 (ENABLED)    Equipment=1,RbsSubrack=1,RbsSlot=5,AuxPlugInUnit=Ruw-2,DeviceGroup=Ruw
 602  0 (LOCKED)      1 (ENABLED)    Equipment=1,RbsSubrack=1,RbsSlot=7,AuxPlugInUnit=Ruw-1
 603  1 (ENABLED)      1 (ENABLED)    Equipment=1,RbsSubrack=1,RbsSlot=7,AuxPlugInUnit=Ruw-1,DeviceGroup=Ruw
 647  0 (LOCKED)      1 (ENABLED)    Equipment=1,RbsSubrack=1,RbsSlot=9,AuxPlugInUnit=Ruw-2
 648  1 (ENABLED)      1 (ENABLED)    Equipment=1,RbsSubrack=1,RbsSlot=9,AuxPlugInUnit=Ruw-2,DeviceGroup=Ruw
=====
Total: 12 MOs
```

12. Login duw via emas , element manager

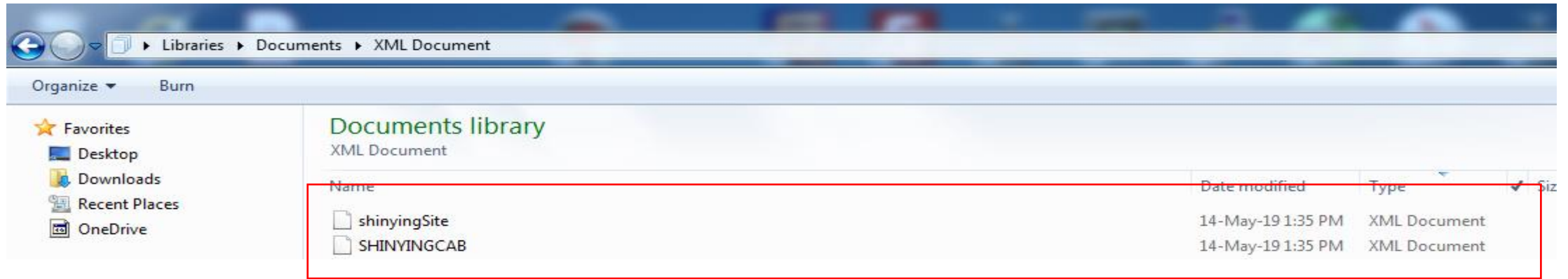
13. Go to tools , export & delete



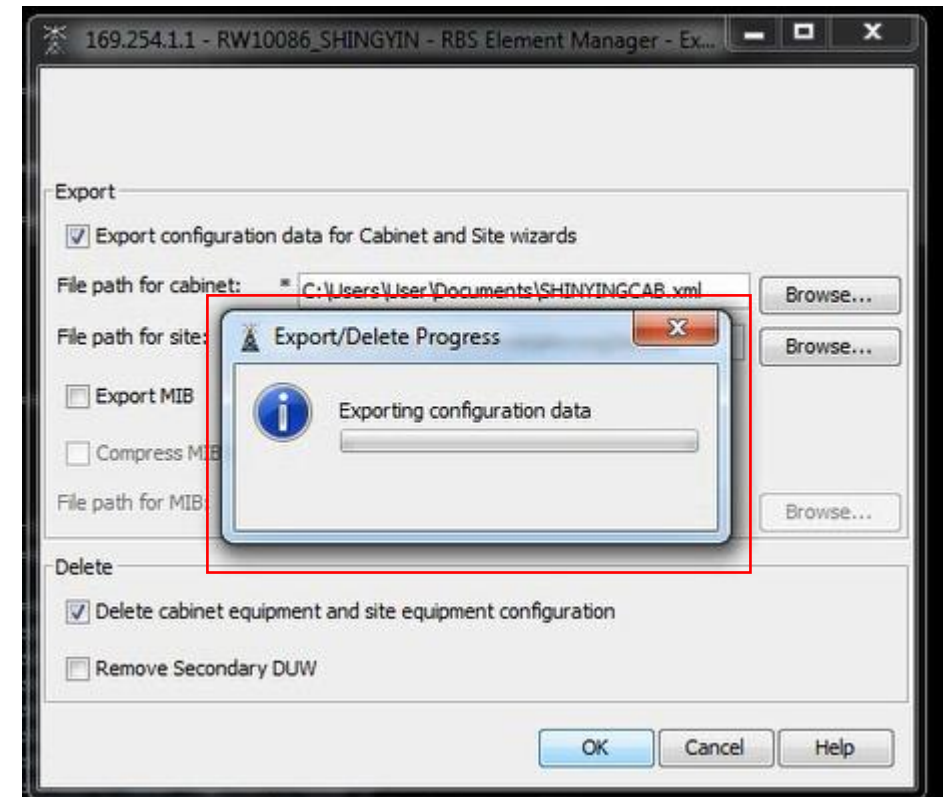
14. Save file cabinet & site , must <name> .xml



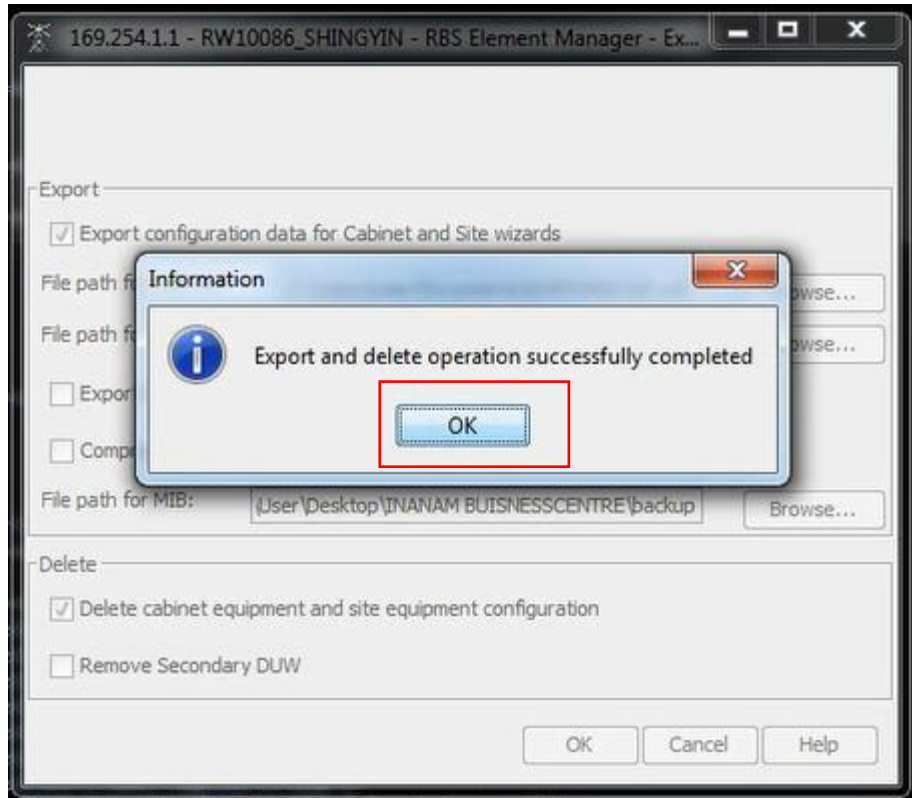
15. Check if file already save on your folder



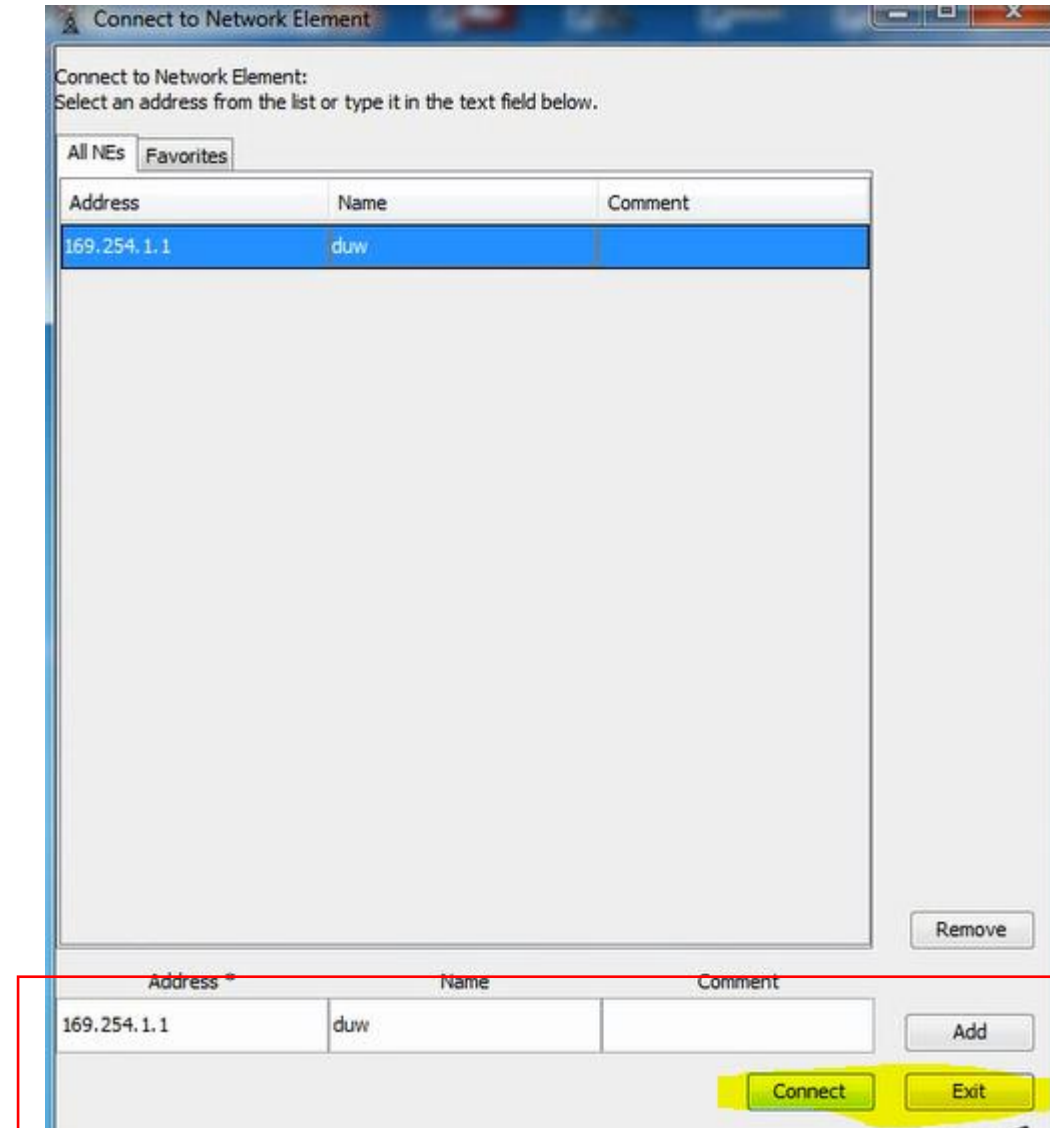
16. Got to element manager , & start export n delete , press OK



16. Wait until finish

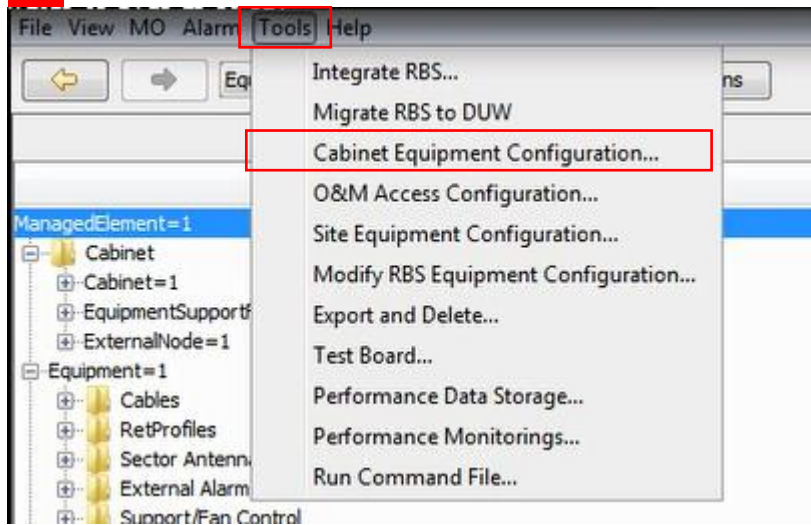


17. Duw will restart , aft 5 min , login again duw via element manager

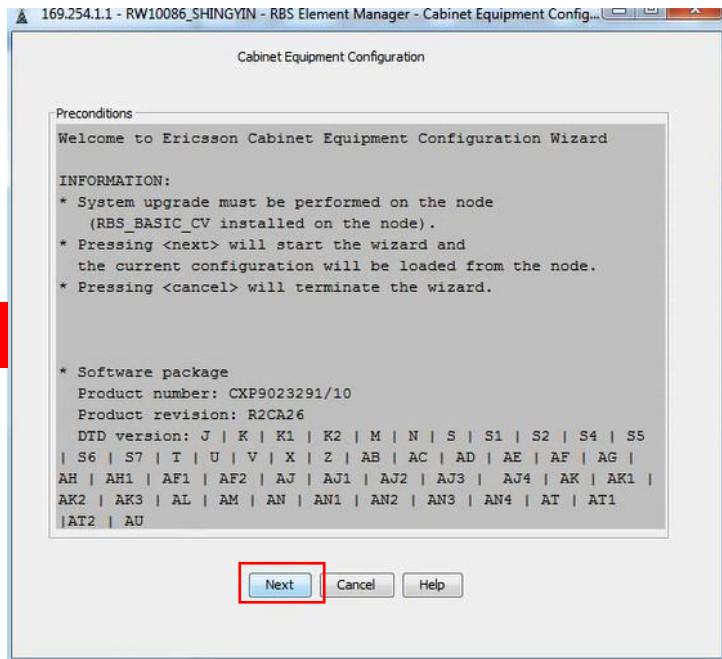


18. Upload new cabinet , go to tools - cabinet

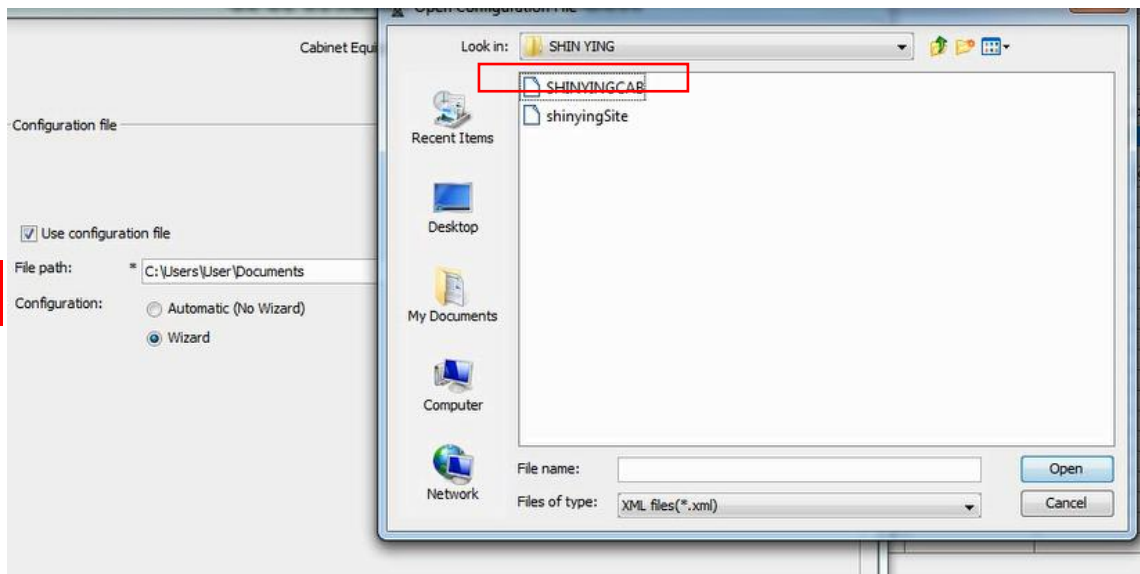
1



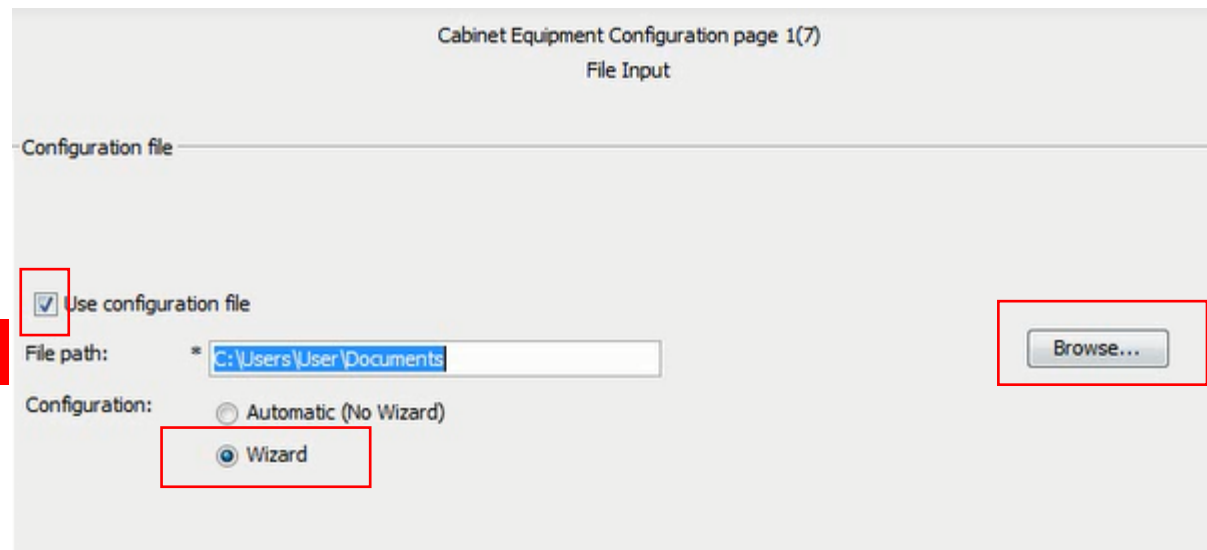
2



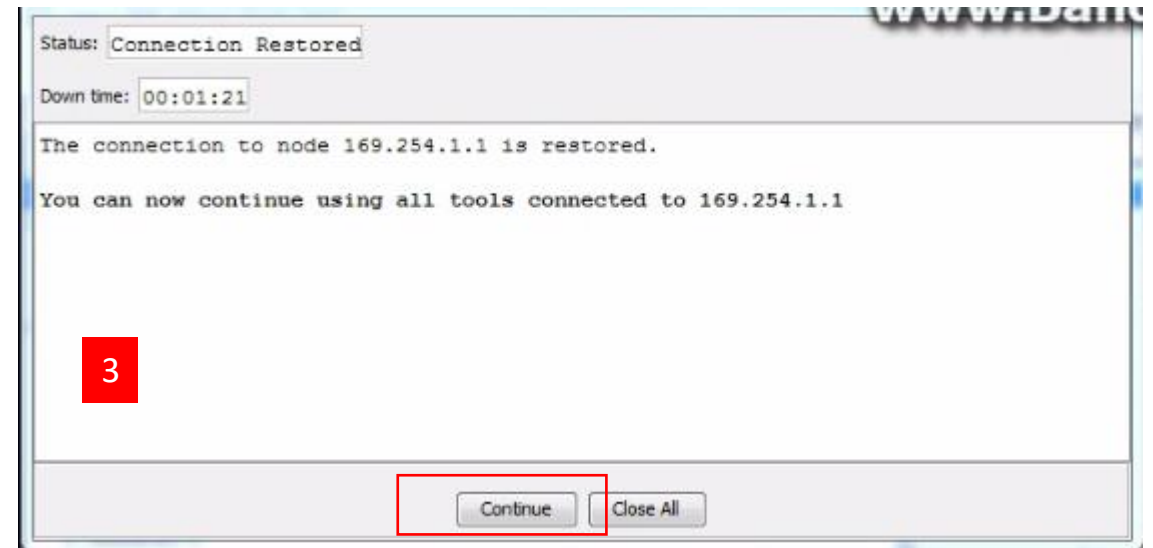
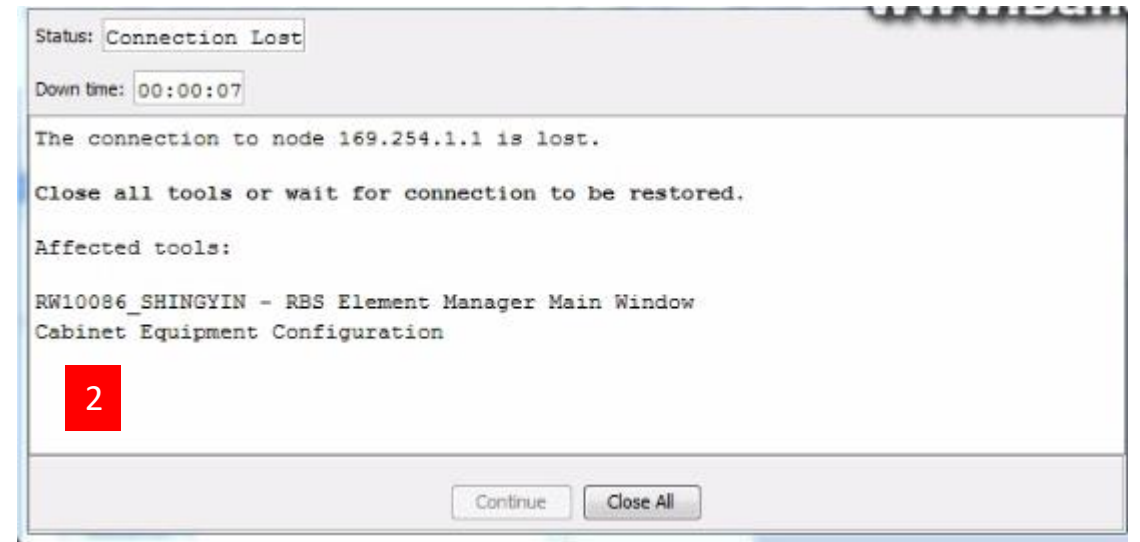
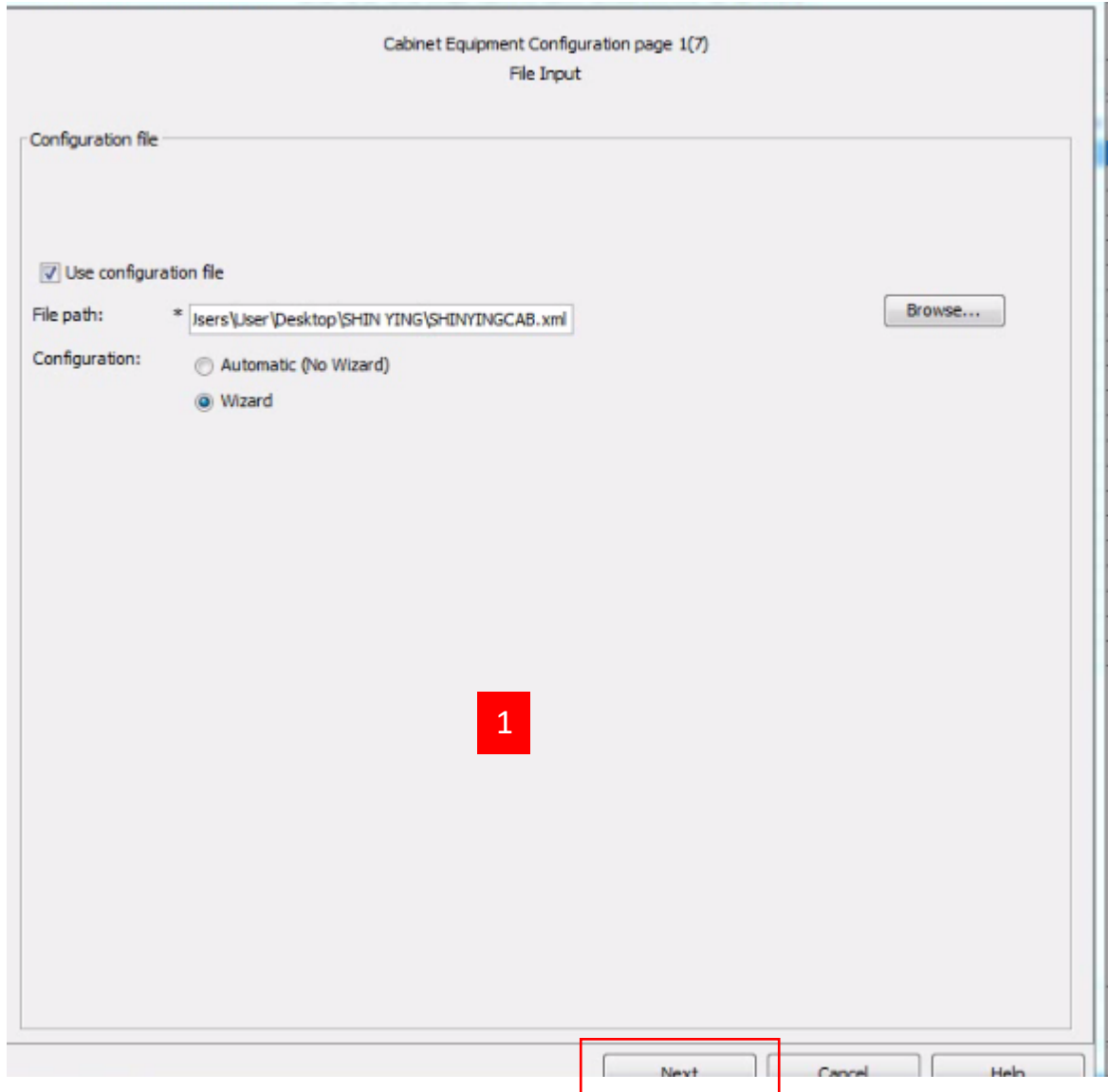
4



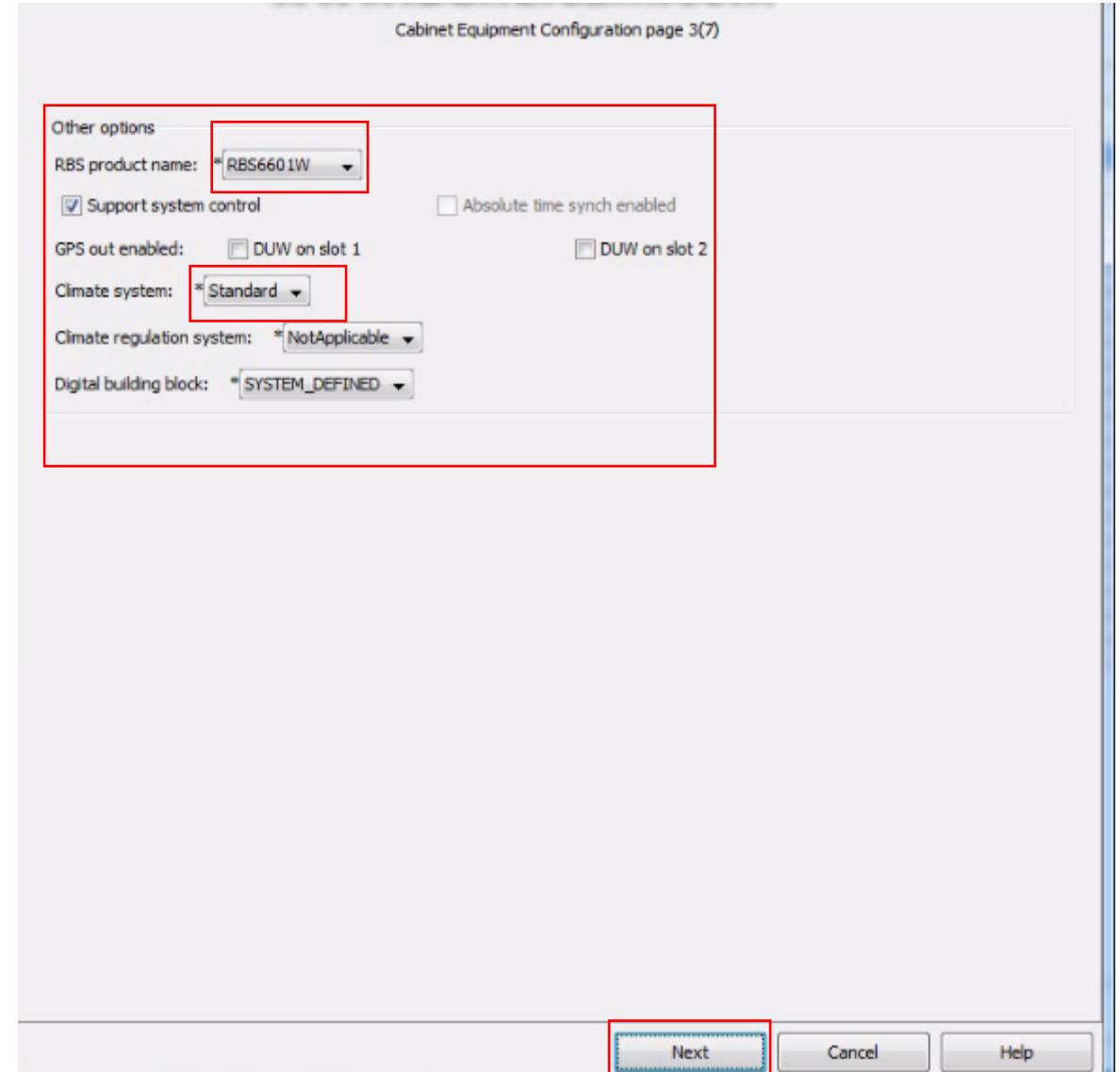
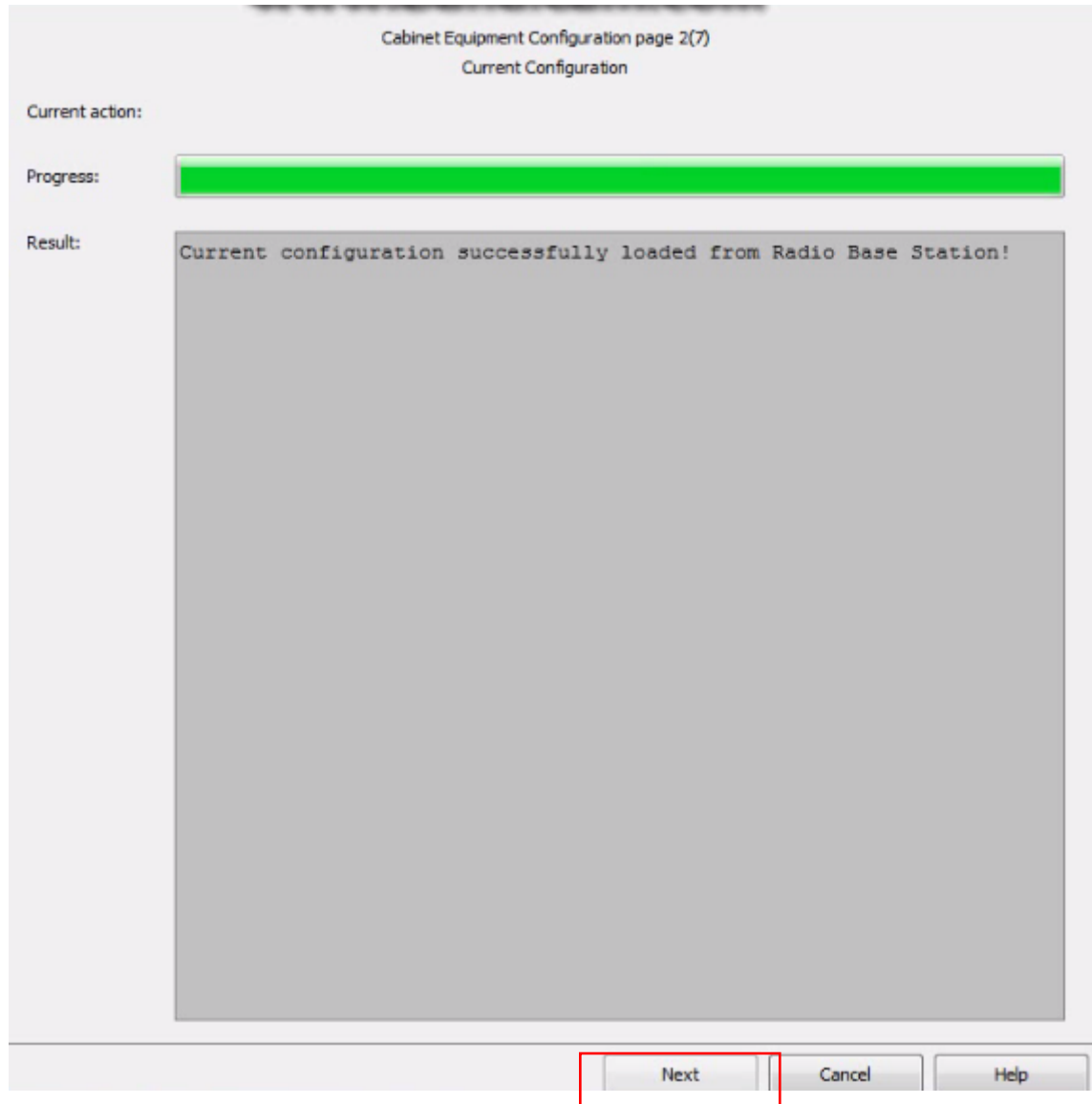
3



19. Klik Next , duw will disconnect – continiue - loading



19. Klik Next , fill follow photo -



20. Check how many PDU on site if 2 , set to 2 - next

Cabinet Equipment Configuration page 4(7)
Power supply configuration

Power supply

No. of PDU:

Configure power supply

No. of PSU:

Configure battery backup

No. of BPU:

Multiple Power System

Battery type:

Previous **Next** Cancel Help

21. Set hub position to B1 - next

Cabinet Equipment Configuration page 5(7)
EC-bus configuration

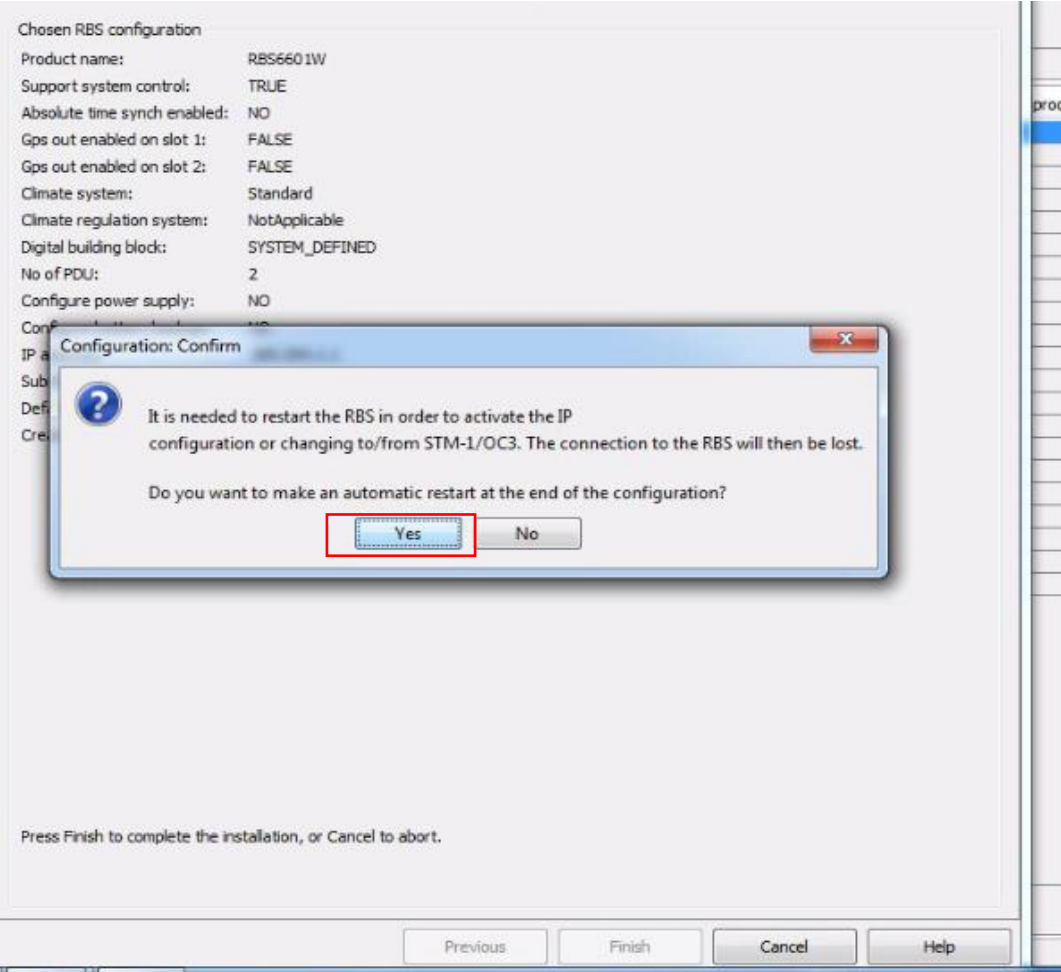
EC-bus

Unit Type	Unit Number	Port Number	Hub Position
DUW	1	1	B1
DUW	2	1	

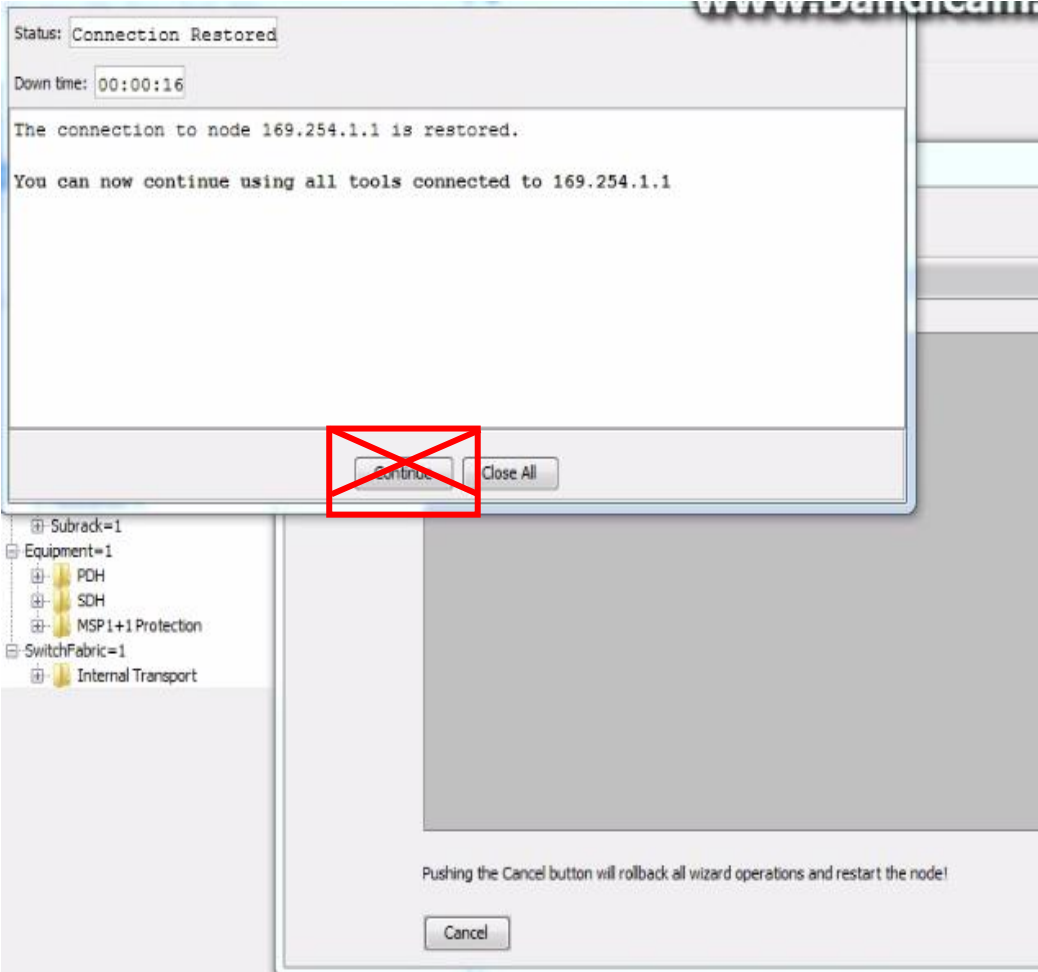
Add Remove

Previous **Next** Cancel Help

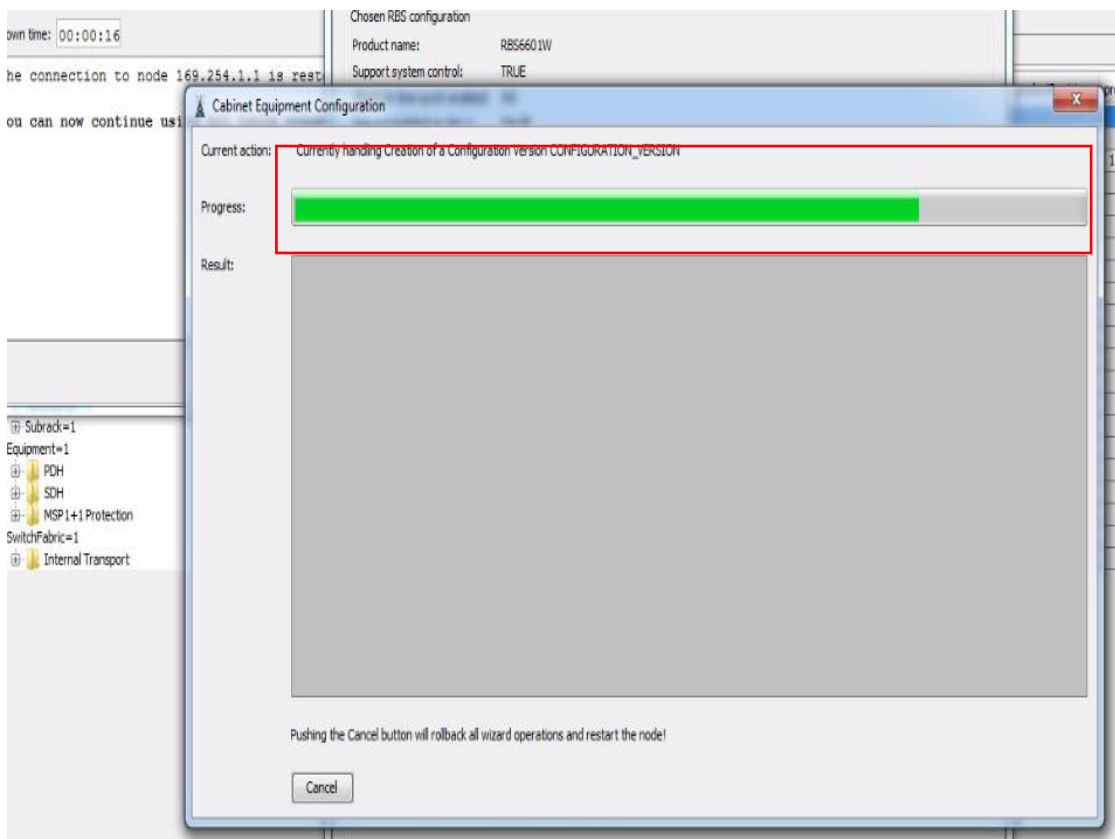
22. yes



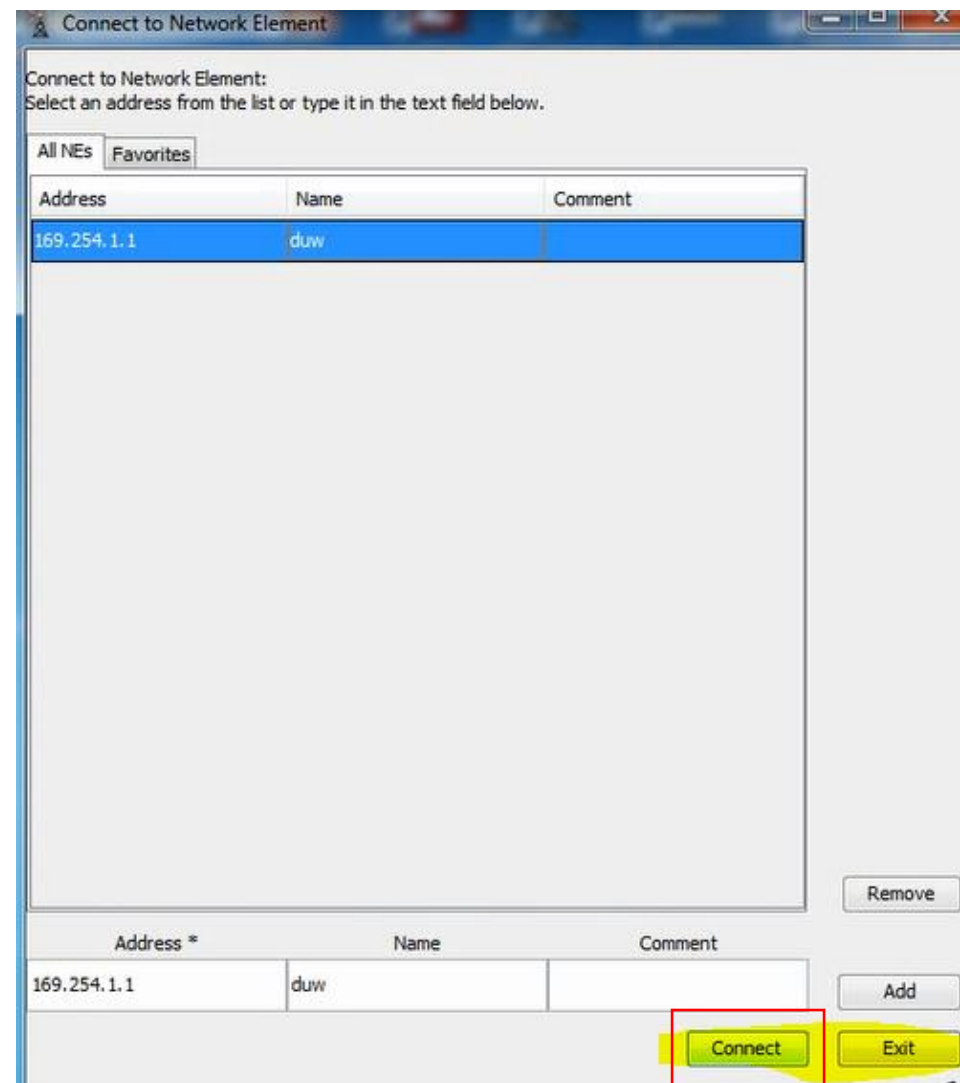
22. Don't press continue , just wait ..



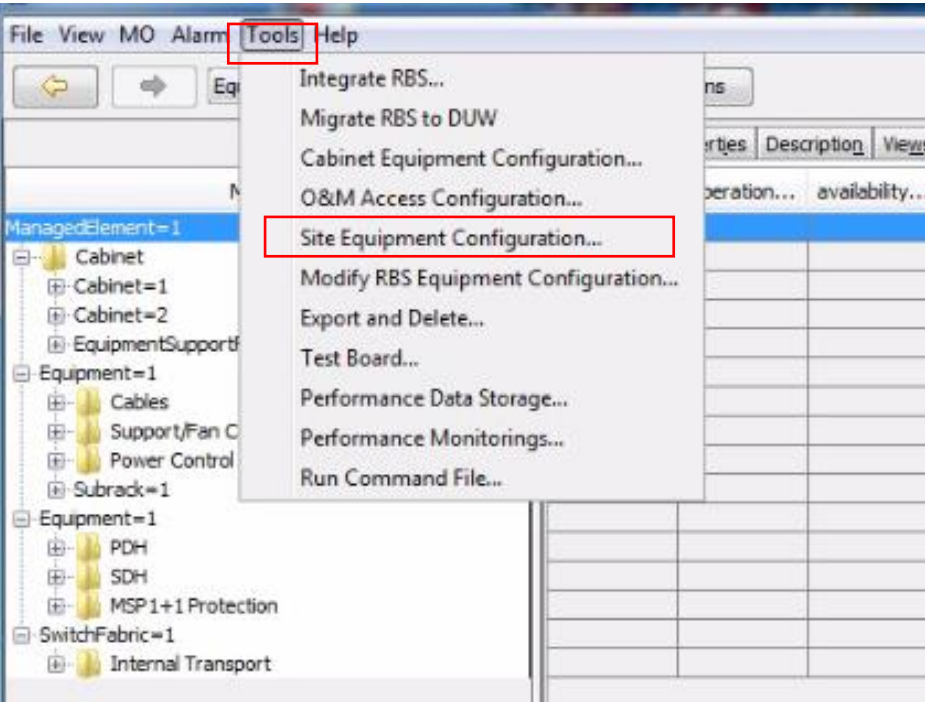
24. Wait until Finish , element manager will Disconnect



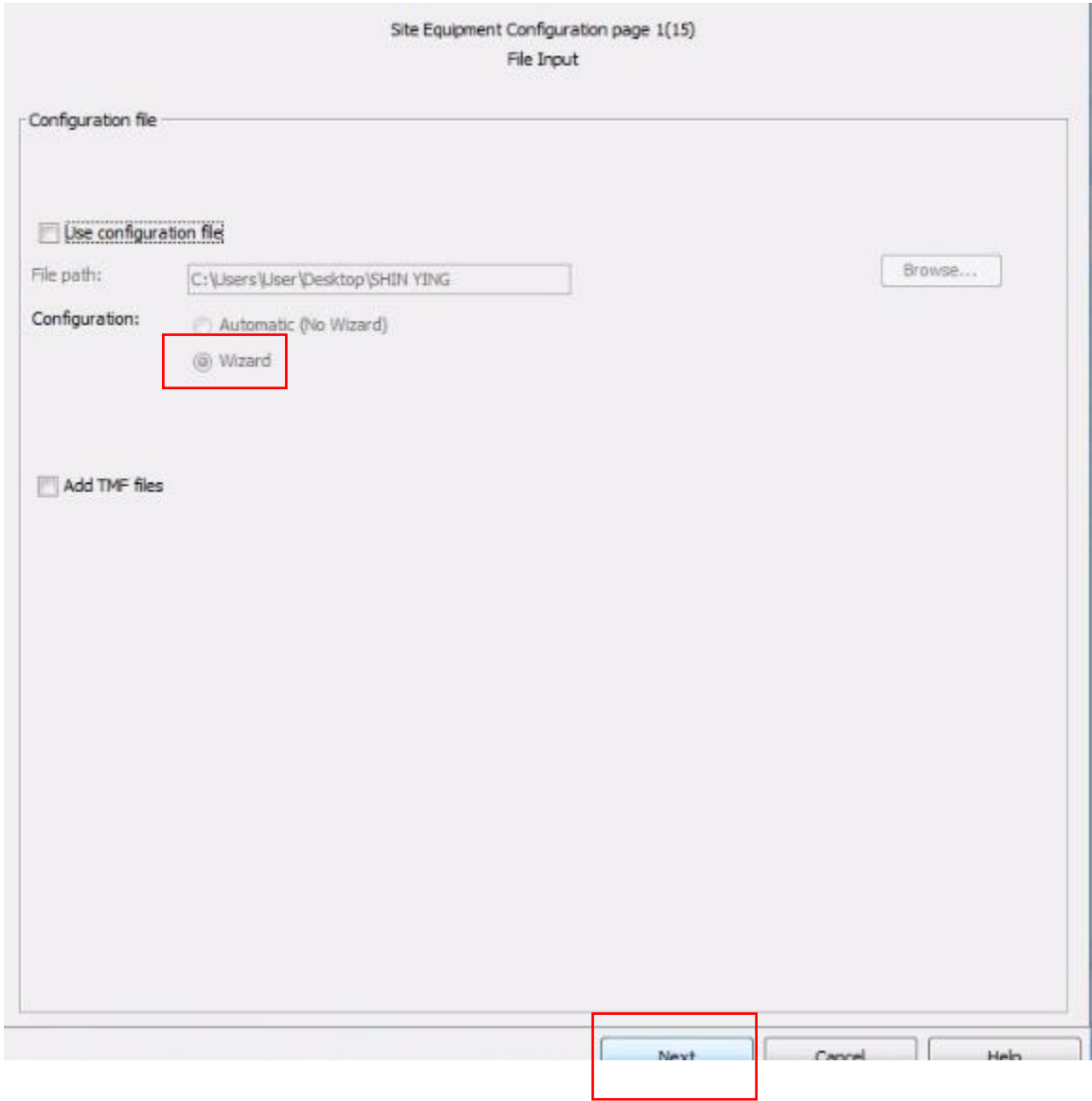
25. Wait 5 minute & Open again element manager



26. Go to tools – site equipment configuration



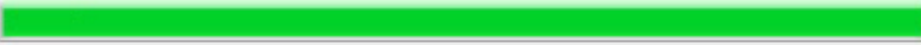
27. Tick wizard & Just next



28. Next – NEXT - NEXT

Site Equipment Configuration page 2(15)
Current Configuration

Current action:

Progress: 

Result:

Current configuration successfully loaded from Radio Base Station!

Next Cancel Help

Site Equipment Configuration page 3(15)
Site location

Site data

Site:

Logical name:

29. Fill follow photo ,next

Site Equipment Configuration page 4(15)
Optional equipment

Optional equipment

Absolute Time Synch enabled

GPS out enabled: DUW on slot1 DUW on slot2

supportSystemControl

Configure external alarm control unit (SAU)

Configure smoke detector

Fan speed supervision: 0

Number of PDU: 2

Configure power supply

Number of PSU:

Configure battery backup

Number of BPU:

Battery installation date: [] [YYYYMMDD]

Battery type: []

Shared battery

Charging mode: []

Test mode: []

Minimum state of health:

Minimum backup time:

Test start day:

Test start time: [] [00:00-23:59]

Test start months: JAN FEB MAR APR MAY JUN
 JUL AUG SEP OCT NOV DEC

Previous Next Cancel Help

30. Fill follow photo ,next

Site Equipment Configuration page 5(14)
EC-bus configuration

EC-bus

Unit Type	Unit Number	Port Number	Hub Position
DUW	1	1	B1
DUW	2	1	

Add Remove

Previous Next Cancel Help

31. Set the RRU

Site Equipment Configuration page 6(14)

Sector options

Sector	Radio building block	Line rate	Primary port id	Secondary por...	Sector sequ...	Unit type	Radio share...
1	▼	▼	▼	▼	▼	▼	▼
2	▼	▼	▼	▼	▼	▼	▼
3	▼	▼	▼	▼	▼	▼	▼
4	▼	▼	▼	▼	▼	▼	▼
5	▼	▼	▼	▼	▼	▼	▼
6	▼	▼	▼	▼	▼	▼	▼

FOLLOW TSSR OR CHECK ON SITE , IF SEC 1 USE RRU , DEFINE RRU OR RUS , SAME WITH SEC 2 & 3

Previous Next Cancel Help

Sector options

Sector	Radio building block	Line rate	Primary port id	Secondary port id	Sector sequence	Unit type	Radio shared by
1	(RBB22_1G)	X2	BU1_A		1	RRUWRRUS	
2	RBB22_1A	X2	BU1_B		1	RUWRUS	
3	RBB22_1A	X2	BU1_C		1	RUWRUS	
4							
5							
6							

32. Pls set follow existing new radio , example , if u install new rru sec 1 , means sec 2 & 3 is existing (existing sec 2 & 3 , must follow old kget config)

If sec 1 is new RRU , pls set ,
 If NEW rru 4449 = RBB22_1G
 If New rru is 2219 = RBB22_1A

```

OFFLINE_RW10015_WISMAMUIS_DCG_K> get . radiobuildingblock
210317-10:38:35 OFFLINE_RW10015_WISMAMUIS_dcg_k 20.0p RBS_NODE_MODEL_U_4_741_COMPLETE stopfile=/tmp/1403
=====
MO                               Attribute      Value
=====
Sector=1                          radioBuildingBlock 2 (RBB22_1A)
Sector=2                          radioBuildingBlock 2 (RBB22_1A)
Sector=3                          radioBuildingBlock 2 (RBB22_1A)
=====
Total: 3 MOs
    
```

Go to offline KGET , type get . Radio . buildingblock

33. Open kget offline (refer page no. 3)

34 . Insert lattidue , longitude , mixmode configuration , follow kget

- Mixmode RRU must true
- Next

If sec 1 is new RRU , pls set ,
If NEW rru 4449 = RBB22_1G
If New rru is 2219 = RBB22_1A

```
OFFLINE_Rw10086_SHINGYIN_DCG_k> get . latitude
190528-13:44:02 OFFLINE_Rw10086_SHINGYIN_dcg_k 18.0c RBS_NODE_MODEL_U_4_741_COMPLETE stopfile=/tmp/618
-----
MO                               Attribute      Value
-----
Sector=1                          latitude      550721
Sector=2                          latitude      550721
Sector=3                          latitude      550721
-----
Total: 3 MOs

OFFLINE_Rw10086_SHINGYIN_DCG_k> get . longitude
190528-13:44:11 OFFLINE_Rw10086_SHINGYIN_dcg_k 18.0c RBS_NODE_MODEL_U_4_741_COMPLETE stopfile=/tmp/618
-----
MO                               Attribute      Value
-----
Sector=1                          longitude     5408219
Sector=2                          longitude     5408219
Sector=3                          longitude     5408219
-----
Total: 3 MOs

OFFLINE_Rw10086_SHINGYIN_DCG_k> get . height
190528-13:49:14 OFFLINE_Rw10086_SHINGYIN_dcg_k 18.0c RBS_NODE_MODEL_U_4_741_COMPLETE stopfile=/tmp/618
-----
MO                               Attribute      Value
-----
Sector=1                          height       2600
Sector=2                          height       2600
Sector=3                          height       2600
-----
Total: 3 MOs
```

Site Equipment Configuration page 7(14)
Sector data configuration

Sector Data Configuration			
	Sector=1	Sector=2	Sector=3
Latitude:	550721	550721	550721
Lat hemisphere:	NORTH	NORTH	NORTH
Longitude:	5408219	5408219	5408219
Geo datum:	WGS84	WGS84	WGS84
Height	2600	2600	2600
Noise figure	-1	-1	-1
Sector group	-1	-1	-1
Mixed Mode configuration	T	FF	T

RRUW-1

Sector 3

TRUE

If sec 1 rru is mixmode , set to true (same with other sector if mixmode

35. Set cell carrier
36. sector Use RRU mixmode only set 1 carrier
37. sector use RUS set 2 or 3 carrier follow existing (cek on kget offline)
38. follow SSr

Site Equipment Configuration page 8(14)
RBS Local cell configuration

Carrier Allocation Mode: Advanced

Sector 1

	Cell=1	Cell=2	Cell=3	Cell=4
Create cell:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Local cell ID:	1	-	-	-
Number of TX branches:	2	-	-	-
Number of RX branches:	2	-	-	-
Cell range (m):	35000	-	-	-
OperatingBand:	1	-	-	-

Sector 2

	Cell=1	Cell=2	Cell=3	Cell=4
Create cell:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Local cell ID:	2	5	8	-
Number of TX branches:	1	1	1	-
Number of RX branches:	2	2	2	-
Cell range (m):	35000	35000	35000	-
OperatingBand:	1	1	1	-

Sector 3

	Cell=1	Cell=2	Cell=3	Cell=4
Create cell:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Local cell ID:	3	-	-	-
Number of TX branches:	2	-	-	-
Number of RX branches:	2	-	-	-
Cell range (m):	35000	-	-	-
OperatingBand:	1	-	-	-

LOCAL CELL ID NO			
Sector	1st carrier	2nd carrier	3rd carrier
Sec 1	1	4	7
Sec 2	2	5	8
Sec 3	3	6	9

```

NEW RRU MIXMODE
NO of TX Branches = 2
NO of RX Branches = 2

EXISTING RUS MIXMODE
NO of TX Branches = 1
NO of RX Branches = 2
  
```

```

OFFLINE_RW10086_SHINGYIN_DCG_K> st carr
190613-13:29:40 OFFLINE_RW10086_SHINGYIN_dcg_k 18.0c RBS_NODE_MODEL_U_4_741_COMPLETE stopfile=/tmp/1078
=====
Proxy  Adm State  Op. State  MO
=====
1815      1 (ENABLED)  NodeBFunction=1,Sector=1,Carrier=1
1833      1 (ENABLED)  NodeBFunction=1,Sector=1,Carrier=2
1852      1 (ENABLED)  NodeBFunction=1,Sector=2,Carrier=1
1870      1 (ENABLED)  NodeBFunction=1,Sector=2,Carrier=2
1888      1 (ENABLED)  NodeBFunction=1,Sector=2,Carrier=3
1907      1 (ENABLED)  NodeBFunction=1,Sector=3,Carrier=1
1925      1 (ENABLED)  NodeBFunction=1,Sector=3,Carrier=2
1943      1 (ENABLED)  NodeBFunction=1,Sector=3,Carrier=3
=====
Total: 8 MOs
OFFLINE_RW10086_SHINGYIN_DCG_K>
  
```

39. set sector antenna & next

Sector Antenna Overview

Sector Antenna	Sector 1	Sector 2	Sector 3
1		1-1	2-1
2	-	-	-
3	-	-	-

Sector Antenna Configuration

Sector antenna:	3-1
Antenna type:	0
TMA type:	NONE
RET type:	NONE
RIU installed:	<input type="checkbox"/>
Mechanical tilt (deg):	0
Sector output power (W):	20
Low sector output power (mW):	-1
Lock sector output power low:	FALSE


```

OFFLINE_RW10086_SHINGYIN_DCG_K> get . fqband
190529-11:31:35 OFFLINE_RW10086_SHINGYIN_dcg_k 18.0c RBS_NODE_MODEL_U_4_741_COMPL
=====
MO                               Attribute      Value
=====
SectorAntenna=3-1,AntennaBranch=A  fqBandHighEdge  21550
SectorAntenna=3-1,AntennaBranch=A  fqBandLowEdge   21400
SectorAntenna=3-1,AntennaBranch=B  fqBandHighEdge  21550
SectorAntenna=3-1,AntennaBranch=B  fqBandLowEdge   21400
SectorAntenna=1-1,AntennaBranch=A  fqBandHighEdge  21550
SectorAntenna=1-1,AntennaBranch=A  fqBandLowEdge   21400
SectorAntenna=1-1,AntennaBranch=B  fqBandHighEdge  21550
SectorAntenna=1-1,AntennaBranch=B  fqBandLowEdge   21400
SectorAntenna=2-1,AntennaBranch=A  fqBandHighEdge  21550
SectorAntenna=2-1,AntennaBranch=A  fqBandLowEdge   21400
SectorAntenna=2-1,AntennaBranch=B  fqBandHighEdge  21550
SectorAntenna=2-1,AntennaBranch=B  fqBandLowEdge   21400
Sector=1                            fqBands         Band1:
Sector=2                            fqBands         Band1:
Sector=3                            fqBands         Band1:
=====
Total: 9 MOs

```

40. Set antenna branch all sector follow exiting kget

Site Equipment Configuration page 10(13)
Antenna branch configuration

Antenna Branch Overview

Antenna branch	Sector 1	Sector 2	Sector 3
A	*	*	*
B	*	*	*
C	-	-	-
D	-	-	-
E	-	-	-
F	-	-	-

Antenna Branch Configuration

Sector: 1
Branch: A

FQ band low edge (0.1 MHz): 21400
FQ band high edge (0.1 MHz): 21550
Antenna supervision threshold (%): 0

[0..100]

```
OFFLINE_RW10086_SHINGYIN_DCG_K> get . super
```

```
190529-11:35:41 OFFLINE_RW10086_SHINGYIN_dcg_k 18.0c RBS_NODE_MODEL_U_4_741_COMPLETE stopf
```

```
=====  
MO                               Attribute      Value  
=====  
SectorAntenna=3-1,AntennaBranch=A antennaSupervisionThreshold 49  
SectorAntenna=3-1,AntennaBranch=A lowCurrentSupervision 1 (ON)  
SectorAntenna=3-1,AntennaBranch=B antennaSupervisionThreshold 80  
SectorAntenna=3-1,AntennaBranch=B lowCurrentSupervision 1 (ON)  
SectorAntenna=1-1,AntennaBranch=A antennaSupervisionThreshold 49  
SectorAntenna=1-1,AntennaBranch=A lowCurrentSupervision 1 (ON)  
SectorAntenna=1-1,AntennaBranch=B antennaSupervisionThreshold 80  
SectorAntenna=1-1,AntennaBranch=B lowCurrentSupervision 1 (ON)  
SectorAntenna=2-1,AntennaBranch=A antennaSupervisionThreshold 49  
SectorAntenna=2-1,AntennaBranch=A lowCurrentSupervision 1 (ON)  
SectorAntenna=2-1,AntennaBranch=B antennaSupervisionThreshold 80  
SectorAntenna=2-1,AntennaBranch=B lowCurrentSupervision 1 (ON)  
Climate=1 fanSpeedSupervision 12  
NodeBFunction=1 featureStateAdvancedCellSupervision  
NodeBFunction=1 licenseStateAdvancedCellSupervision  
Iub=RW10086,NbapCommon=1 12EstablishSupervisionT 30  
Iub=RW10086,NbapCommon=1 13EstablishSupervisionT 30  
Iub=RW10086,NbapDedicated=1 12EstablishSupervisionT 30  
=====  
Total: 10 MOs
```

41. Set antenna supervision threshold all sector branch A & Branch B

Site Equipment Configuration page 10(13)

Antenna branch configuration

Antenna branch	Sector 1	Sector 2	Sector 3
A	*	*	*
B	*	*	*
C	-	-	-
D	-	-	-
E	-	-	-
F	-	-	-

Antenna Branch Configuration

Sector 1
Branch A
FQ band low edge (0.1 MHz): 21400
FQ band high edge (0.1 MHz): 21550
Antenna supervision threshold (%): 0

[0..100]

```
AntennaBranch=A | antennaSupervisionThreshold = 49  
AntennaBranch=B | antennaSupervisionThreshold = 80
```

42. Set attenuation (only sector use feeder , & existing sector & antenna branch A & B , follow existing on kget

Antenna feeder cable Overview

Antenna branch	Sector 1	Sector 2	Sector 3
A	*	*	*
B	*	*	*
C	-	-	-
D	-	-	-
E	-	-	-
F	-	-	-

Antenna Feeder Cable Configuration

Sector: 2

Branch: A

DL attenuation(0.1 dB):

UL attenuation(0.1 dB):

DL delay(0.1 ns):

UL delay(0.1 ns):

```

OFFLINE_RW10086_SHINGYIN_DCG_K> get . attenuation
190617-22:36:44 OFFLINE_RW10086_SHINGYIN_dcg_k 18.0c RBS_NODE_MODEL_U_4_741_COMPLETE stopfile=/tmp/266
=====
MO                               Attribute      Value
=====
RFCable=1_5_RXA_IO              dlAttenuation -1
RFCable=1_5_RXA_IO              ulAttenuation 2
RFCable=1_11_RXA_IO             dlAttenuation -1
RFCable=1_11_RXA_IO             ulAttenuation 2
RFCable=1_7_RXA_IO              dlAttenuation -1
RFCable=1_7_RXA_IO              ulAttenuation 2
AntFeederCable=1A               dlAttenuation i[15] = 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 -1 -1 -1
AntFeederCable=1A               dlAttenuationPerFqRange i[4] = -1 -1 -1 -1
AntFeederCable=1A               ulAttenuation i[15] = 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 -1 -1 -1
AntFeederCable=1A               ulAttenuationPerFqRange i[4] = -1 -1 -1 -1
AntFeederCable=1B               dlAttenuation i[15] = 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 -1 -1 -1
AntFeederCable=1B               dlAttenuationPerFqRange i[4] = -1 -1 -1 -1
AntFeederCable=1B               ulAttenuation i[15] = 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 -1 -1 -1
AntFeederCable=1B               ulAttenuationPerFqRange i[4] = -1 -1 -1 -1
AntFeederCable=2A               dlAttenuation i[15] = 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 -1 -1 -1
AntFeederCable=2A               dlAttenuationPerFqRange i[4] = -1 -1 -1 -1
AntFeederCable=2A               ulAttenuation i[15] = 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 -1 -1 -1
AntFeederCable=2A               ulAttenuationPerFqRange i[4] = -1 -1 -1 -1

```

43. Set delay (only sector use feeder , & existing sector & antenna branch A & B , follow existing on kget

Antenna feeder cable Overview

Antenna branch	Sector 1	Sector 2	Sector 3
A	*	*	*
B	*	*	*
C	-	-	-
D	-	-	-
E	-	-	-
F	-	-	-

Antenna Feeder Cable Configuration

Sector: 2
 Branch: A

DL attenuation(0.1 dB): -1
 UL attenuation(0.1 dB): -1

DL delay(0.1 ns): 2848
 UL delay(0.1 ns): 2848

```
OFFLINE_RW10086_SHINGYIN_DCG_K> get . delay
```

```
190529-11:39:43 OFFLINE_RW10086_SHINGYIN_dcg_k 18.0c RBS_NODE_MODEL_U_4_741_COMPLETE stopfile=/tmp/706
```

```
=====
```

MO	Attribute	Value
RfCable=1_5_RXA_IO	electricalDlDelay	-1
RfCable=1_5_RXA_IO	electricalUlDelay	6
Subrack=1,Slot=1,PlugInUnit=1,ExchangeTerminalIp=1,GigaBitEthernet=1 state	PropagationDelay	25
DigitalCable=1_11_DATA_2	electricalDelay	-1
RfCable=1_11_RXA_IO	electricalDlDelay	-1
RfCable=1_11_RXA_IO	electricalUlDelay	6
RfCable=1_7_RXA_IO	electricalDlDelay	-1
RfCable=1_7_RXA_IO	electricalUlDelay	6
DigitalCable=1_7_DATA_2	electricalDelay	-1
AntFeederCable=1A	electricalDlDelay i[15]	= 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 -1 -1 -1
AntFeederCable=1A	electricalDlDelayPerFqRange i[4]	= -1 -1 -1 -1
AntFeederCable=1A	electricalUlDelay i[15]	= 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 -1 -1 -1
AntFeederCable=1A	electricalUlDelayPerFqRange i[4]	= -1 -1 -1 -1
AntFeederCable=1B	electricalDlDelay i[15]	= 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 -1 -1 -1
AntFeederCable=1B	electricalDlDelayPerFqRange i[4]	= -1 -1 -1 -1
AntFeederCable=1B	electricalUlDelay i[15]	= 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 2848 -1 -1 -1

```
=====
```

43. For sector use RRU (no feeder) just leave it value -1

Antenna feeder cable Overview

Antenna branch	Sector 1	Sector 2	Sector 3
A	*	*	*
B	*	*	*
C	-	-	-
D	-	-	-
E	-	-	-
F	-	-	-

Antenna Feeder Cable Configuration

Sector: 2
Branch: A

DL attenuation(0.1 dB):

UL attenuation(0.1 dB):

DL delay(0.1 ns):

UL delay(0.1 ns):

44. Set follow photo

Site Equipment Configuration page 12(13)
HSDPA and EUL configuration

HSDPA and EUL configuration

Steered HS Allocation:

DUW board 1

		DUW on slot 1		
Num HS code resources:		2		
Num EUL resources:		1		

	Sector=1	Sector=2	Sector=3
Carrier 1 HS code resource ID:	-	-	-
Carrier 2 HS code resource ID:	-	-	-
Carrier 3 HS code resource ID:	-	-	-
Carrier 4 HS code resource ID:	-	-	-
Carrier 5 HS code resource ID:	-	-	-
Carrier 6 HS code resource ID:	-	-	-
Carrier 7 HS code resource ID:	-	-	-
Carrier 8 HS code resource ID:	-	-	-

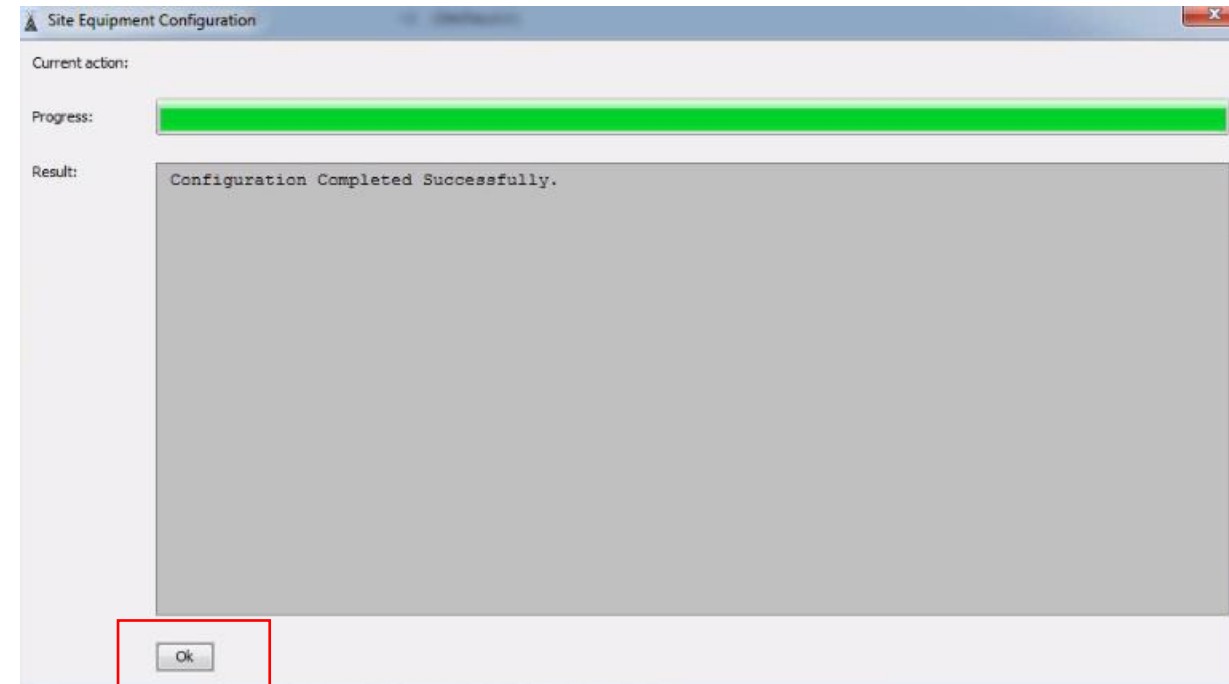
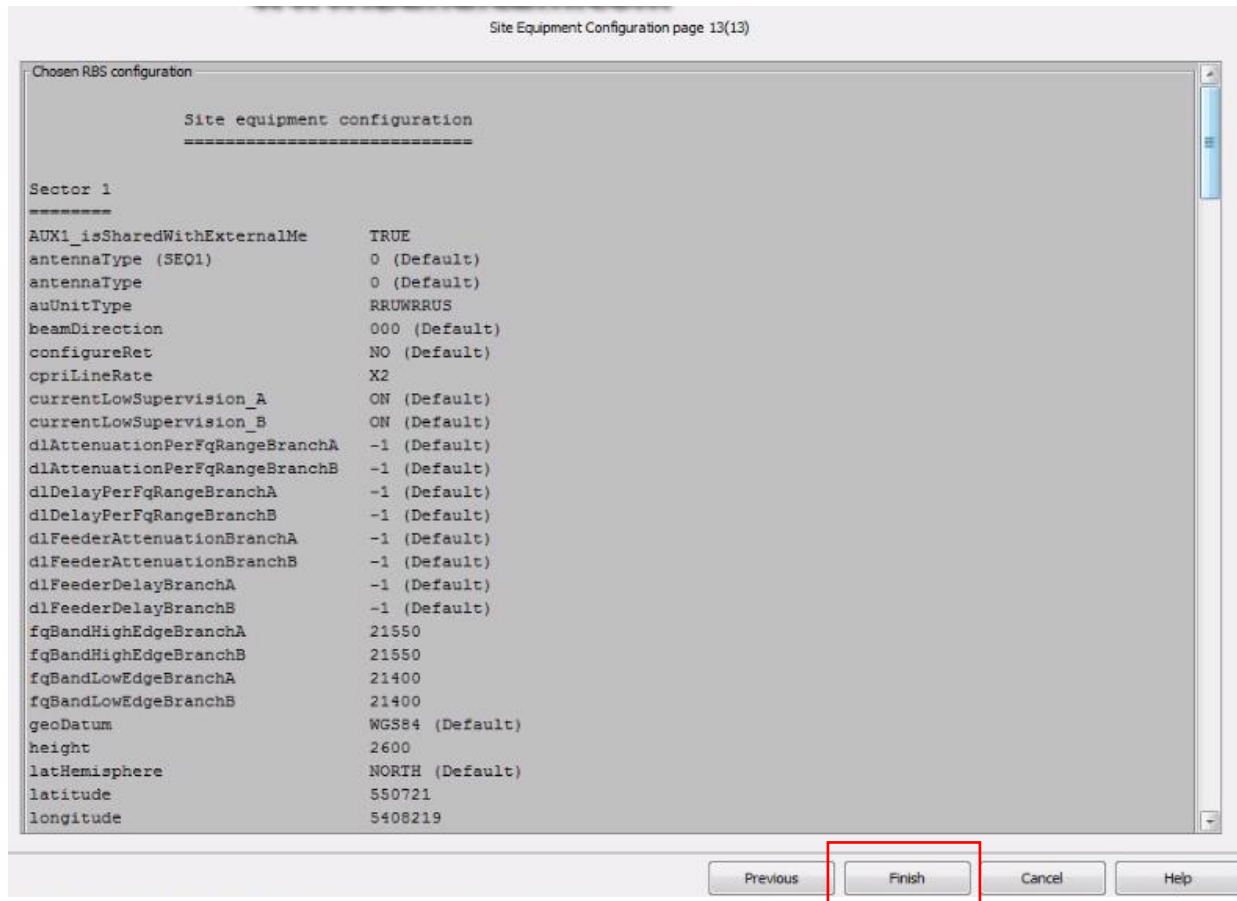
DUW board 2

		DUW on slot 2		
Num HS code resources:		6		
Num EUL resources:		1		

	Sector=1	Sector=2	Sector=3
Carrier 1 HS code resource ID:	-	-	-
Carrier 2 HS code resource ID:	-	-	-
Carrier 3 HS code resource ID:	-	-	-
Carrier 4 HS code resource ID:	-	-	-
Carrier 5 HS code resource ID:	-	-	-

Previous Next Cancel Help

44. FINISH

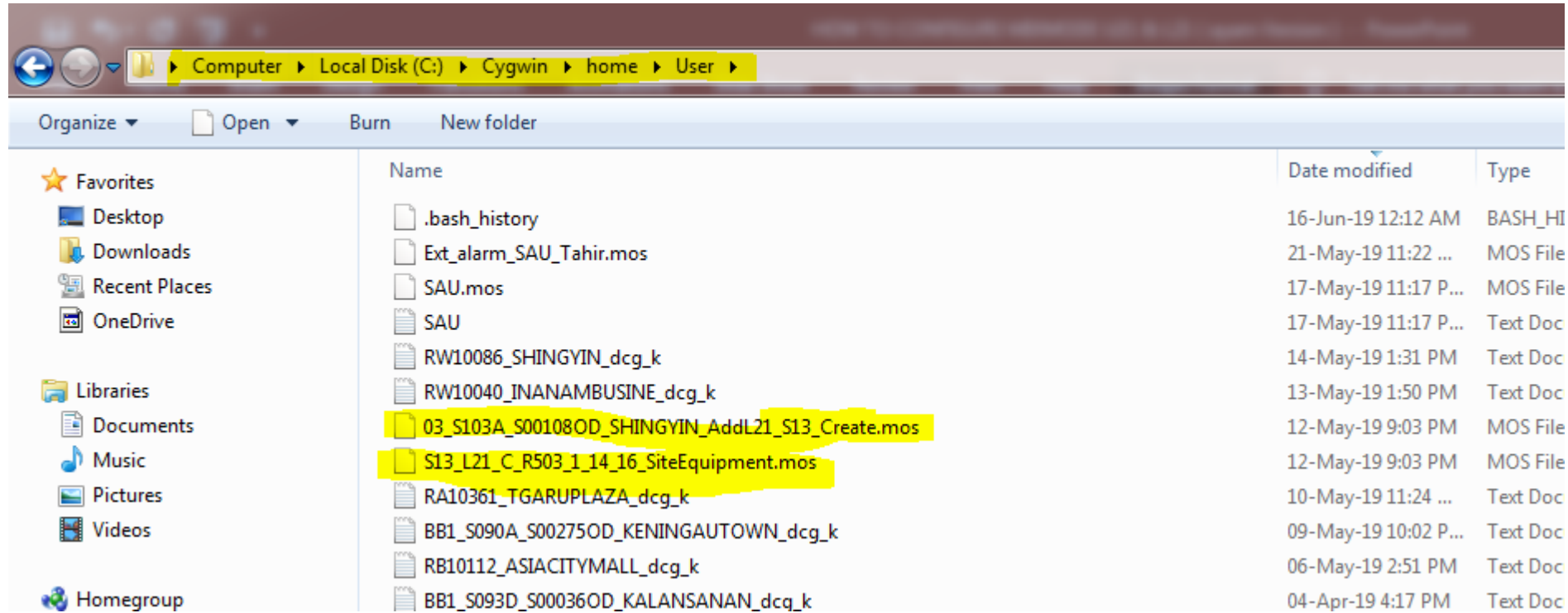


45. After finish pls ask Gsc

- Set NGS (BB1 = 1 , DUW = 3)
- Set Basebandpool
- Set RUs power (Follow existing Prelog)

CHAPTER 2 BB PART

1. Copy BB script to C:\Cygwin\home\User



- 2 . Login BB (online moshell)
- 3 . Make a new CV backup (cvms backup_before_new_L21)
- 4 . Type
 - !ls
 - Run < scriptname.mos >
 - Run 03_S103A_S001080D_SHINGYIN_AddL21_S13_Create.mos
 - S13_L21_C_R503_1_14_16_SiteEquipment.mos

```

BB1_S103A_S001080D_SHINGYIN> !ls
03_S103A_S001080D_SHINGYIN_AddL21_S13_Create.mos  BB1_S098B_S005480D_KGSARIP_dcg_k.log
BB1_Q124D_Q005200D_HUNGHUNG_dcg_k.log           BB1_S113A_L000080D_SGBANGAT_dcg_k.log
BB1_S090A_S002750D_KENINGAUTOWN_dcg_k.log       BB1_S113A_L000080D_SGBANGAT_dcg_k_modify.log
BB1_S093B_S000480D_KUWASA_dcg_k.log             BB2_S105A_S016700D_DOCHOSPITAL2SDK_dcg_k.log
BB1_S093B_S000480D_KUWASA.log                  BB2_S110C_S008570D_TMNAWASAN_dcg_k.log
BB1_S093D_S000360D_KALANSANAN_dcg_k.log         Create_EquipSupportFunction_Add_batteryLoad

BB1_S103A_S001080D_SHINGYIN> run 03_S103A_S001080D_SHINGYIN_AddL21_S13_Create.mos

```

```

B1_S103A_S001080D_SHINGYIN> !ls
03_S103A_S001080D_SHINGYIN_AddL21_S13_Create.mos  BB1_S098B_S005480D_KGSARIP_dcg_k.log           RA10361_TGARUPLAZA_dcg_k.log
B1_Q124D_Q005200D_HUNGHUNG_dcg_k.log             BB1_S113A_L000080D_SGBANGAT_dcg_k.log           RB10112_ASIACITYMALL_dcg_k.log
B1_S090A_S002750D_KENINGAUTOWN_dcg_k.log         BB1_S113A_L000080D_SGBANGAT_dcg_k_modify.log   RW10040_INANAMBUSINE_dcg_k.log
B1_S093B_S000480D_KUWASA_dcg_k.log               BB2_S105A_S016700D_DOCHOSPITAL2SDK_dcg_k.log   RW10086_SHINGYIN_dcg_k.log
B1_S093B_S000480D_KUWASA.log                     BB2_S110C_S008570D_TMNAWASAN_dcg_k.log         S099A_S014550D_T3_KM120KALABAKANNABAWAN_dcg_k.log
B1_S093D_S000360D_KALANSANAN_dcg_k.log           Create_EquipSupportFunction_Add_batteryLoad.mos S13_L21_C_R503_1_14_16_SiteEquipment.mos

B1_S103A_S001080D_SHINGYIN> run S13_L21_C_R503_1_14_16_SiteEquipment.mos

```

5. All done pls ask Gsc to proceed

