


SITE DESIGN DOCUMENTATION

Region: South
Site ID: BA2968

ERICSSON 	
CAPTION LIST	
Document No. 001 53-IPA 166 2067/BA2968 Uen	
Date 2019-03-19	Rev. A

SITE DESIGN DOCUMENTATION



BA2968
GSM900 & WCDMA2100
Huawei DBS3900

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Prepared (also subject responsible if other) EMZ/ EI EI KHINE		Document No. 001 51-IPA 166 2067/BA2968 Uen		
Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-19	Rev. A	File SDD_BA2968_A

Project: Telenor Myanmar**Site: BA2968**

<u>Document name</u>	<u>Document number</u>	<u>Rev.</u>
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Prepared (also subject responsible if other)		Document No.		
EMZ/ EI EI KHINE		001 51-IPA 166 2067/BA2968 Uen		
Doc respons/Approved	Checked	Date	Rev.	File
EMZ/Manoj Kumar		2019-03-19	A	SDD_BA2968_A

Project: Telenor Myanmar
Site: BA2968

1 GENERAL SITE DATA

1.1	Geographical coordinates	Long: 96.59971 Lat: 18.569
1.2	Region	South
1.3	Address	No-431(32/2), Wyar Road, Ngaung Pin Thar Ward, Kyout Kyi Township
1.4	Type of Site	Green Field
1.5	Equipment location	Outdoor cabinet
1.6	Floor material	Concrete

2 TECHNICAL DATA RBS SYSTEM GSM900

2.1	System	GSM900
2.2	RBS type	Huawie DBS3900
2.3	No. of sector	3
2.4	No. of carrier	3/3/3
2.5	No. of Remote Radio Unit (RRU)	3
2.6	RRU type	RRU5909
2.7	Mechanical Dimensions RRU (mm) WxDxH	300x120x400
2.8	Weight for one RRU	15kg
WCDMA2100		
2.9	System	WCDMA2100
2.10	No. of sector	3
2.11	No. of carrier	2/2/2
2.12	No. of Remote Radio Unit (RRU)	3
2.13	RRU type	RRU5909
2.14	Mechanical Dimensions RRU (mm) WxDxH	300x120x400
2.15	Weight for one RRU	15kg
2.16	Mechanical Dimensions DBS(mm) WxDxH	442x310x86
2.17	Weight for one DBS (fully equiped)	12kg
2.18	Power supply	-48V DC
2.19	Power consumption (maximum)	300W (DBS) + 350W (RRU)
2.20	Mains circuit breaker	30A + 6x30A
2.21	Heat dissipation of DBS (maximum)	300W (with FAN) / 650W (with FANc)

3 TECHNICAL DATA CABINET

3.1	Type of cabinet	180000399636 (ZTE Cabinet)
3.2	Mechanical Dimensions (mm) WxDxH	700Wx700Dx2300H
3.3	Free space for equipment	xxxx

4 TECHNICAL DATA RBS ANTENNA SYSTEM

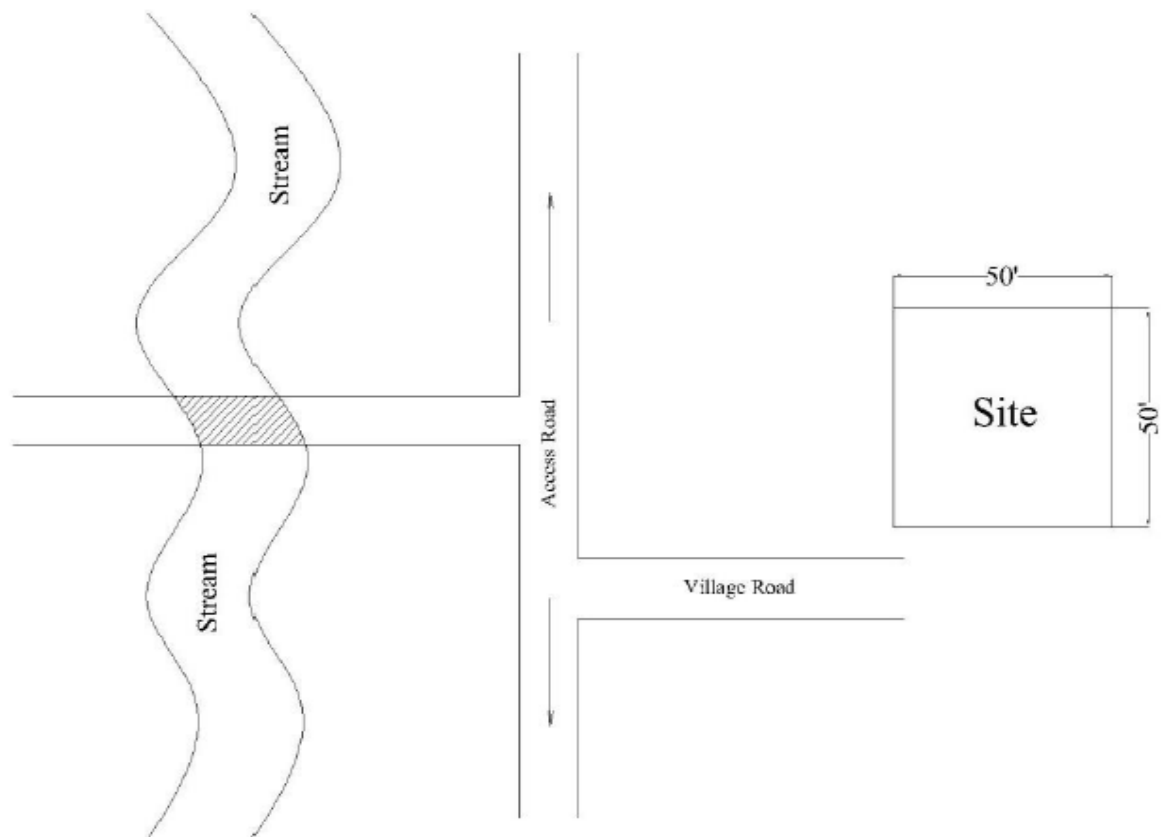
4.1	Antenna height (m.a.g.l.)	A= 43	B= 43	C= 43
4.2	Antenna directions	A= 170°	B= 240°	C= 320°
4.3	Mech/Elec Downtilt, deg	A= 2°/0°	B= 2°/0°	C= 2°/0°
4.4	Quantity of Antenna	3 pcs		
4.5	Antenna model	ADU451807v01		
4.6	Antenna type	DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M		
4.7	Antenna dimensions LxWxD (mm)	2535 x 259 x 135		
4.8	Weight of one antenna (kg)	21		
4.9	Wind load (N)	Frontal:	910	(at 150 km/h)
		Lateral:	470	(at 150 km/h)
		Rear:	1200	(at 150 km/h)
4.10	No. of Fiber Optic	6 pcs		
4.11	Length of Fiber Optic	70m		

5 TECHNICAL DATA RBS ANTENNA SUPPORT STRUCTURE

5.1	Tower/mast/pole type	GBT 45m
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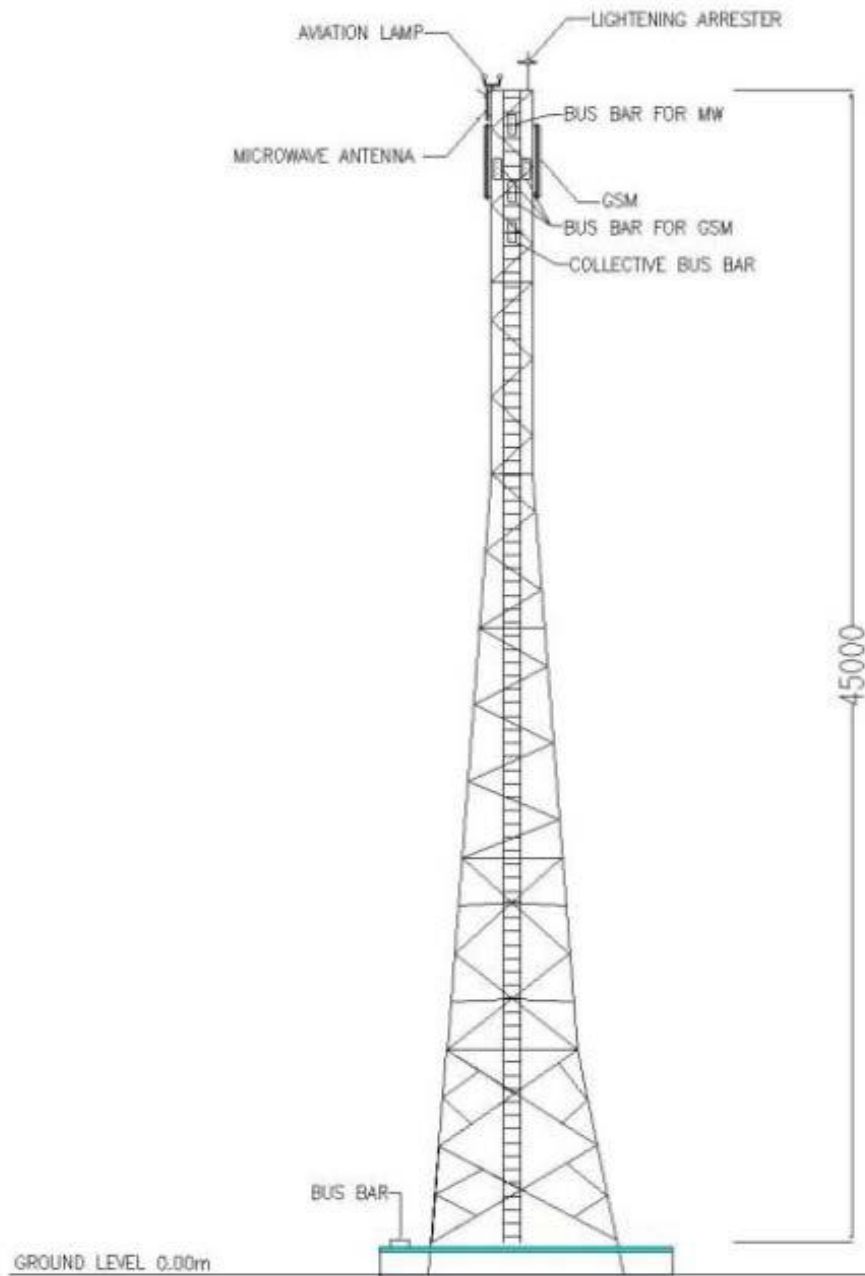
Project: Telenor Myanmar
Site ID: BA2968
Drawing: Situating Plan Drawing
153 38-IPA 166 2067/BA2968 Uen

Geographical coordinates
Long (E): 96 ° 35 ' 58.96 "
Lat (N): 18 ° 34 ' 8.40 "



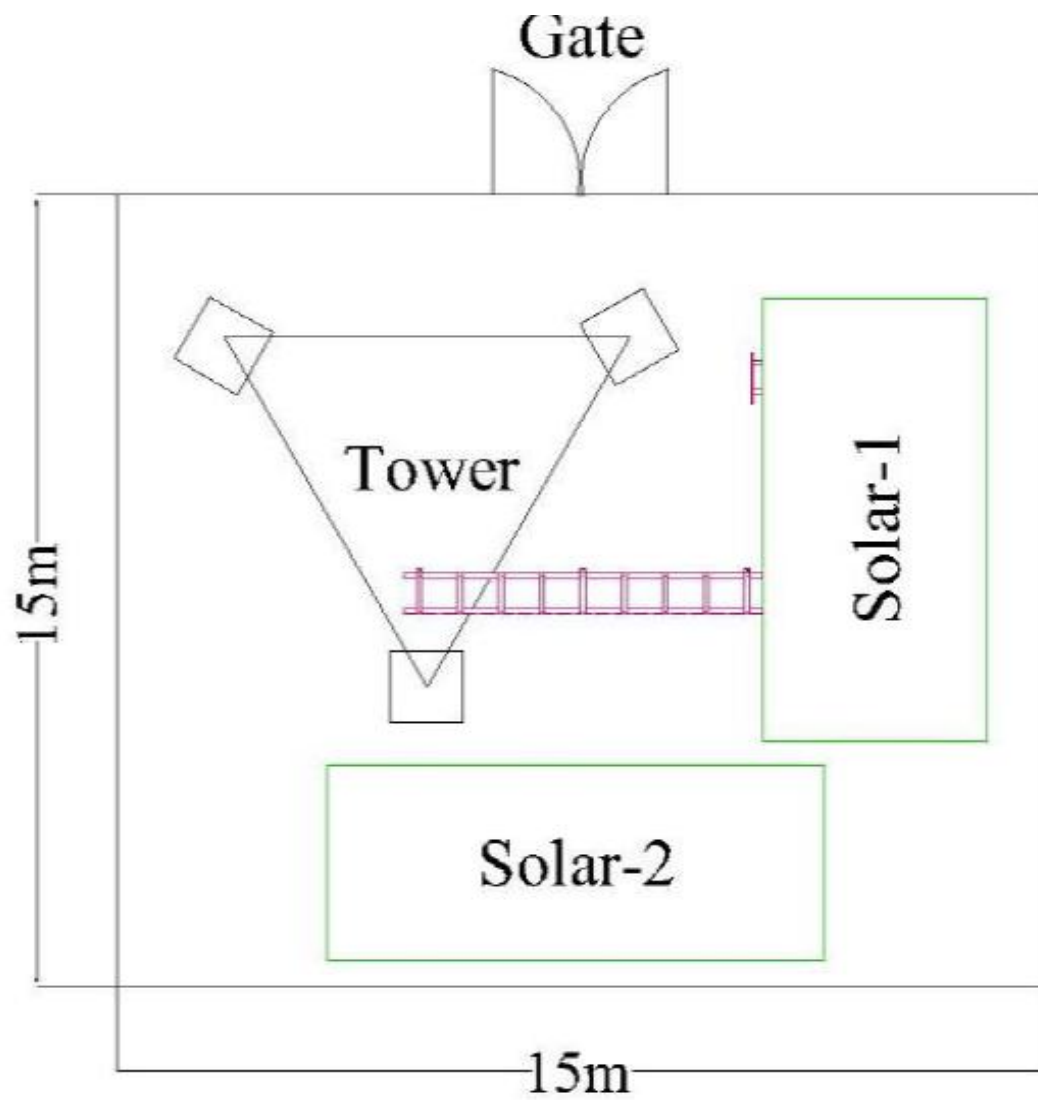
Project: Telenor Myanmar
Site ID: BA2968
Drawing: Antennas Placement Drawing
153 12-IPA 166 2067/BA2968 Uen

Geographical coordinates
Long (E): 96 ° 35 ' 58.96 "
Lat (N): 18 ° 34 ' 8.40 "



Project: Telenor Myanmar
Site ID: BA2968
Drawing: Cable Way Drawing
193 24-IPA 166 2067/BA2968 Uen

Geographical coordinates
Long (E): 96 ° 35 ' 58.96 "
Lat (N): 18 ° 34 ' 8.40 "



Prepared (also subject responsible if other) EMZ/ EI EI KHINE		Document No. 1/127 11-IPA 166 2067/BA2968 Uen		
Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-19	Rev. A	File SDD_BA2968_A

Project Telenor Myanmar
Site: BA2968

No.	WH No.	DESCRIPTION	QTY/ UNIT
1. DBS3900 EQUIPMENT			
1.1 DBS3900 (GSM S3/3/3+WCDMA S2/2/2), DC -48V			
29080025		MBTS DBS Cable Suite Label	1 PCS
02319940		BBU Box	1 PCS
02315639		Universal Environment Interface control Unit	1 PCS
03054887		Universal Main Processing & Transmission Unit (4 E1&1 Electrical FE/GE&1	1 PCS
..03054885		-- Universal Main Processing & Transmission unit with 4E1 and 2FE/GE inte	1 PCS
..04050386		-- IT Equipment Cable,For BBU local maintenance adapter,0.38m,USB3.0 si	1 PCS
34060365		Optical Transceiver,eSFP,850nm,4.25G multi-rate,-9dBm~-1.5dBm,-15dBm,1	6 PCS
02312CYS		RRU5909 for Multi-Mode 900MHz(2*60W)	3 pcs
02239349		3900 Series DBS,Site Auxiliary Material Kit(G/U/L)	1 PCS
29040907		DKBA8.807.0202,Outdoor label,cBTS3612,55*20*0.5,GE 8B35,T0.5	4 PCS
29080032		Feeder Engineering label(Multi-Feeder System)	4 PCS
29080025		MBTS DBS Cable Suite Label	1 PCS
29040907		DKBA8.807.0202,Outdoor label,cBTS3612,55*20*0.5,GE 8B35,T0.5	4 PCS
29080032		Feeder Engineering label(Multi-Feeder System)	4 PCS
34060365		Optical Transceiver,eSFP,850nm,4.25G multi-rate,-9dBm~-1.5dBm,-15dBm,1	6 PCS
02311TBD		RRU5909 for Multi-Mode 2100MHz(2*60W)	3 PCS
03021VHD		Baseband Processing Unit (6Cell,CE:UL384/DL512)	1 PCS
03022HEM		Universal Baseband Processing Unit d6	1 PCS
02237428		DBS Antenna Feeder Installation Auxiliary Kit Per Sector,General Area	6 PCS
04130065		RF Cable,2m,DIN50SM-II,COAX50-8.7/3.55,DIN50SM-II,1/2 Inch Superflexit	12 PCS
04070012		Signal Cable,Shielded Straight Through Cable,10m,MP8-II,CC4P0.5GY(S),M	1 PCS
25030191		Wire,450/750V,60227 IEC 02(RV) 6mm^2, Yellow/Green,44A(Unit: meter)	2 M
1.2 Installation cable			
14130622		70m, Optical Cable Assembly,DLC/PC,DLC/PC,Multi-mode,GYFJH 2A1a(LS	6 PCS
25030429		Wire,450/750V,60227 IEC 02(RV)16mm^2,yellow green,85A,With a package	18 M
25030671		Power Cable,300V,UL2464,3.31mm^2,2x12AWG,Black Jacket(2Cores:Blue,	348 M
27150086		Fixing clip, locked 3pcs optical cables and 3pcs power cables,1 board 6,Stair	58 PCS
2. ANTENNA SYSTEM			
27010881-001		Directional Antenna,DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M,4*7/16 L	3 PCS
27150243		Downtilt Kit-C Type	3 PCS
3. RET MATERIAL			
04070097		Signal Cable,AISG Communication cable,5m,D9M+D9(PS)(W),CC4P0.5PB(6 PCS
27150136		Antenna Feeder Accessories,RCU136,Agisson RET Antenna RCU,Antenna,	6 PCS
4. CABINET			
180000399636		ZXDUPA-WR12(V2.6R03M15)outdoor power cabinet M(040000.F1)	1 PC
5. INSTALLATION MATERIALS			
02231GJH		Embedded Environment Monitoring Unit	1 PCS

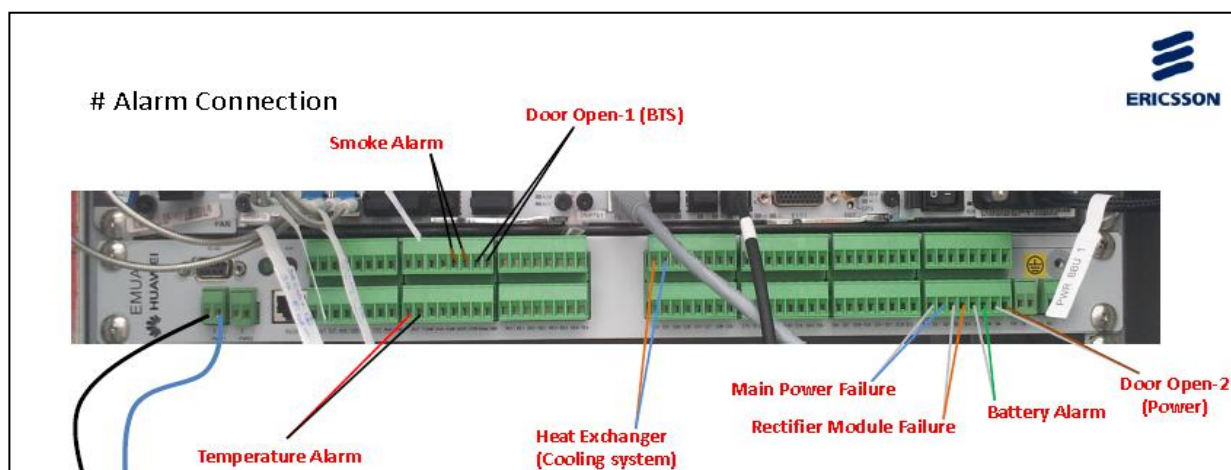
Prepared (also subject responsible if other) EMZ/ EI EI KHINE		Document No. 193 19-IPA 166 2067/BA2968 Uen		
Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-19	Rev. A	File SDD_BA2968_A

Project: Telenor Myanmar
Site: BA2968

ALLOCATION TABLE: ALARMS

1. DBS3900 Temperature

No.	Alarm	Type	Physical port
1	Main Power Failure	Breaking	
2	Rectifier Module Failure	Breaking	
3	Battery Alarm	Breaking	
4	Door Open-1 (BTS)	Breaking	
5	Door Open-2 (Power)	Breaking	
6	Temperature Alarm	Breaking	
7	Smoke Alarm	Breaking	
8	Heat Exchange	Breaking	

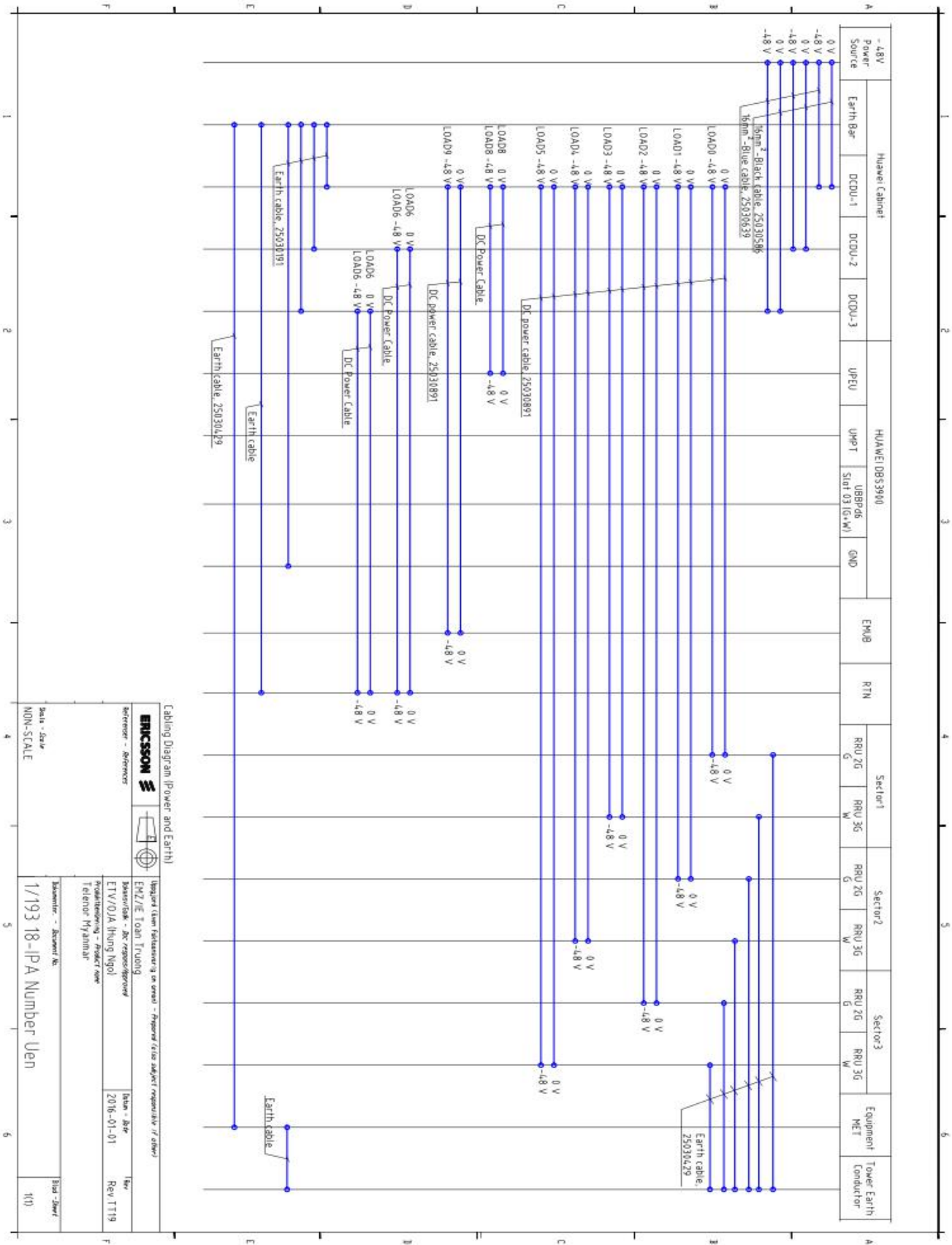


Closing: the alarm cable is open when no alarms are present
Breaking: the alarm cable is closed when no alarms are present

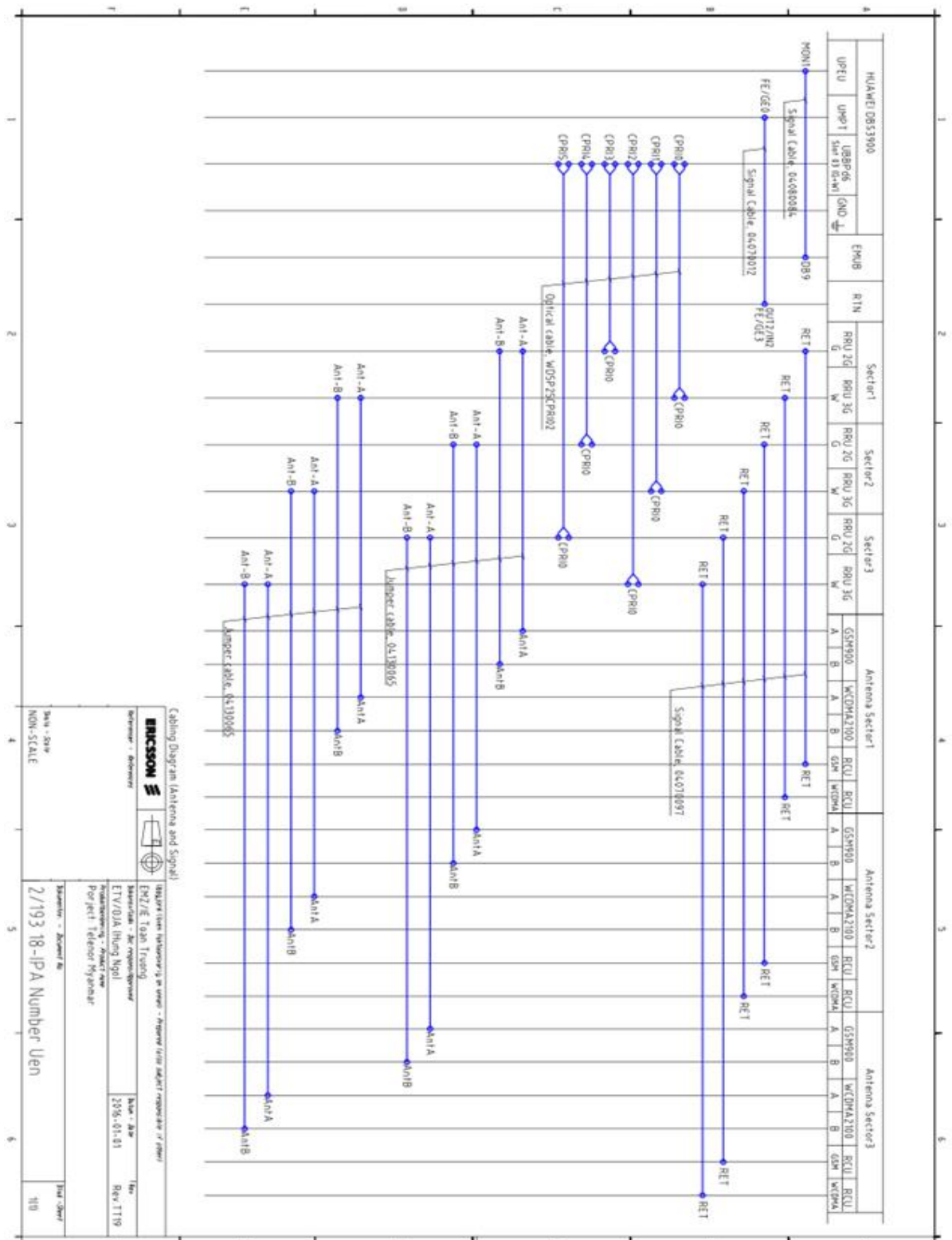
** Need to mark from site after alarm configuration

Project: Telenor Myanmar
Site ID: BA2968
Drawing: Cabling Diagram (Power and Earth)
1/193 18-IPA 166 2067/BA2968 Uen

Geographical coordinates
Long (E): 96 ° 35 ' 58.96 "
Lat (N): 18 ° 34 ' 8.40 "

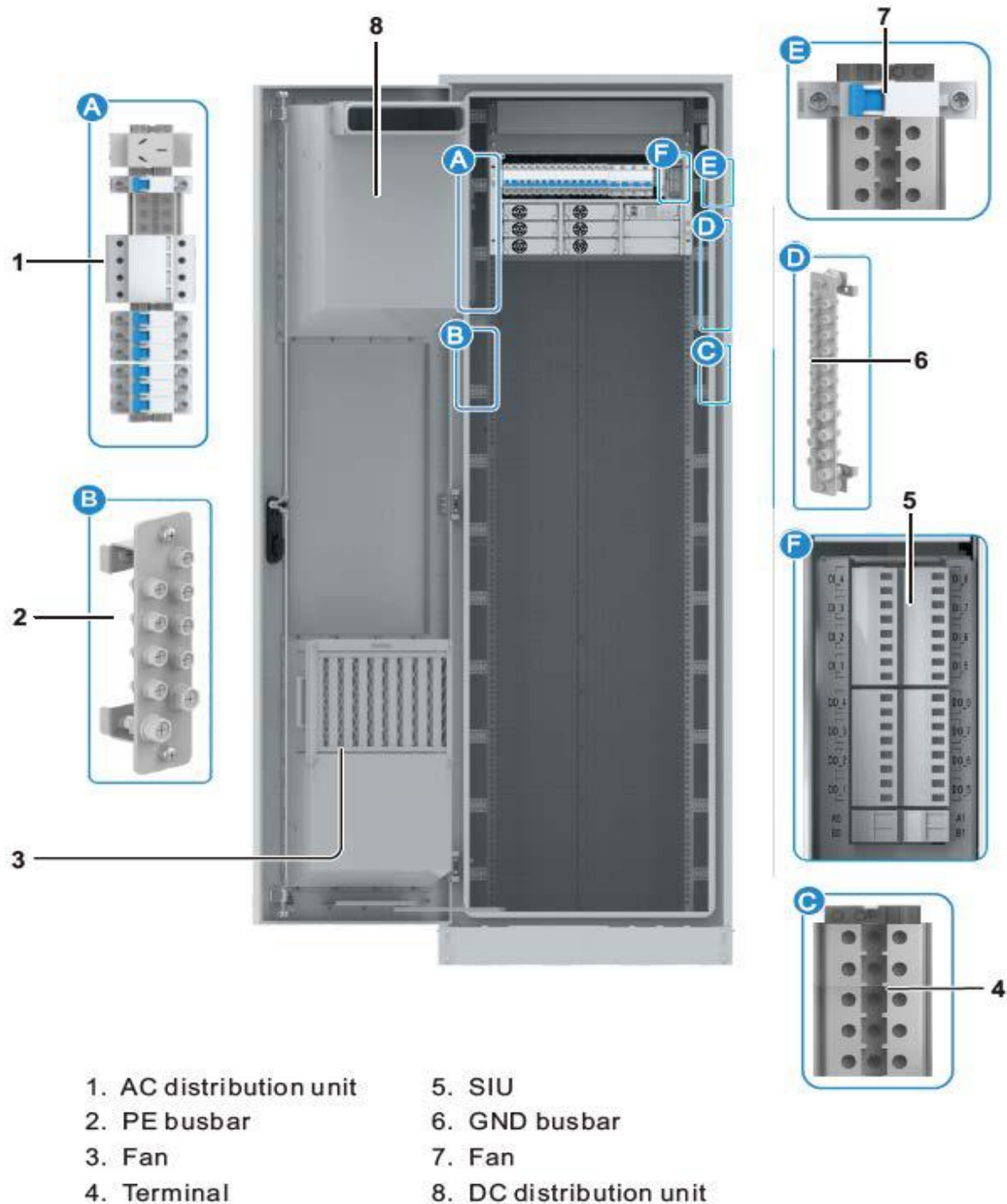


Geographical coordinates
Long (E): 96 ° 35 ' 58.96 "
Lat (N): 18 ° 34 ' 8.40 "



Project: Telenor Myanmar
Site ID: BA2968
Drawing: Allocation Drawing Cabinet
193 26-IPA 166 2067/BA2968 Uen

Geographical coordinates
Long (E): 96 ° 35 ' 58.96 "
Lat (N): 18 ° 34 ' 8.40 "



Prepared (also subject responsible if other) EMZ/ EI EI KHINE		Document No. 153 11-IPA 166 2067/BA2968 Uen		
Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-19	Rev. A	File SDD_BA2968_A

Project: Telenor Myanmar
Site: BA2968

INSTALLATION CHECK LIST

OK = Correctly installed, NOK = Not Correctly installed, N/A = Not applicable

A. CABINET	OK	NOK	N/A	COMMENTS
1. Cabinet clean and undamaged	OK			
2. Cabinet installed according to SID	OK			
3. Cable lead-in (cable gland)	OK			
4. DCPU connected to correct fuse	OK			
5. DC cable for RRU and BBU properly connected	OK			
6. Grounded, washers in place and bolts tightened	OK			
7. Grounding cable insulation undamaged	OK			

B. BBU Box	OK	NOK	N/A	COMMENTS
1. Equipment clean and undamaged	OK			
2. Installed according to allocation drawing	OK			
3. BBU securely fixed to rack or cabinet	OK			
4. Boards are firmly fixed in slot; screws are fastened	OK			
5. Power cable connected to correct fuse	OK			
6. All cables in the front properly connected	OK			
7. All screws tightened to correct torque	OK			
8. No cables damaged	OK			
9. Equipment labeled according to SID	OK			
10. Grounded, washers in place and bolts tightened	OK			
11. Grounding cable insulation undamaged	OK			
12. All cables have enough extra length to enable the removal of the BBU without damaging or disconnecting the cables?	OK			

C. RRU (REMOTE RADIO UNIT)	OK	NOK	N/A	COMMENTS
1. RRU clean and undamaged	OK			
2. RRU installed as specified in SID	OK			
3. RRU properly aligned horizontally & vertically	OK			
4. RRU mounting bracket tightened properly	OK			
5. RRU Grounding installed and connected to MET	OK			
6. Connector jumper tightened and sealed	OK			
7. Installation cover for optical cable tightened	OK			
8. RET cables routed correctly and tightened	OK			
9. Power socket securely & correctly attached	OK			
10. Protective covers installed on unused ports	OK			
11. Optical cable undamaged	OK			
12. Equipment labeled according to SID	OK			
13. Protective covers, dust caps, and terminations plugs are installed on unused ports?	OK			
14. RET cable is correctly connected to ALD ctrl connector and tightened	OK			

Prepared (also subject responsible if other) EMZ/ EI EI KHINE		Document No. 153 11-IPA 166 2067/BA2968 Uen		
Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-19	Rev. A	File SDD_BA2968_A

Project: Telenor Myanmar
Site: BA2968

D. ANTENNA SYSTEM - RADIO	OK	NOK	N/A	COMMENTS
1. Antenna system installed as specified in SID	OK			
2. Height, Azimuth and Tilt checked	OK			
3. No cables or connectors damaged	OK			
4. RF cables properly labeled	OK			
5. Connectors properly connected	OK			
6. Minimum bending of the RF cables correct	OK			radius of 50mm
7. Correct cable connected to correct antenna port	OK			
8. RET cable correctly connected & tightened	OK			
9. Optical cables properly connected and strapped	OK			
10. Minimum bending of the optical cables correct	OK			radius of 40mm
11. Antenna support bonded to tower	OK			
12. Tower legs earthed (minimum 2 legs)	OK			

E. CONCLUDING ROUTINES	OK	NOK	N/A	COMMENTS
1. SID marked for as-built	OK			
2. Labeling of the external cables	OK			
3. Painting of cabinet scratching	OK			
4. Site area cleaned	OK			
5.				

All installation activities have been completed [**NO**] [**YES**] (if no, specify below)

Problems/Comments (Refer to applicable activity numbers)

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

Prepared (also subject responsible if other) EMZ/ EI EI KHINE		Document No. 176 27-IPA 166 2067/BA2968 Uen		
Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-19	Rev. A	File SDD_BA2968_A

Project: Telenor Myanmar
Site: BA2968

MANPOWER	NOS.
1 Site Supervisor	
2 Team Leader	
3 Technician	
4 Laborers	
5 Others	
6	
7	
8	
9	
10	
11	
12	

EQUIPMENT USED	NOS.
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

WORK ACTIVITIES:

Health & Safety Observation/Check list		OK	NOK	N/A	Comments
1	Safety Shoe	OK			
2	Safety Gloves	OK			
3	Safety Helmets	OK			
4	Safety Belts	OK			
5	Arrangement for Emergency Evacuation	OK			
6	Arrangement for Emergency Communication	OK			
7	Arrangement for First Aid	OK			
8	Arrangement for Toilets / Washing	OK			
9	Site Safety Protection	OK			
10	Security Guard at site	OK			

OTHER MATTERS / ISSUES:

OHS confirmed by (ASP): _____ Signature: _____ Print Name: _____ Date: _____	Checked and Verified by: Ericson Myanmar Co. Ltd. Signature: _____ Print Name: _____ Date: _____
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Prepared (also subject responsible if other) EMZ/ EI EI KHINE		Document No. 1/153 83-IPA 166 2067/BA2968 Uen		
Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-19	Rev. A	File SDD_BA2968_A

Project: Telenor Myanmar
Site: BA2968

Test Record for Site Installation Verification

Tester Name: XXX	Date: XXX
Site ID: BA2968	Site Name: XXX
RBS Type: Huawie DBS3900	Cell Configuration: G900 - S3/3/3

NE Standalone test

	Pass	Fail	N/A	Remark
Incoming voltage verified	<input type="checkbox"/> OK	<input type="checkbox"/>	<input type="checkbox"/>	
Circuit breaker with correct rating	<input type="checkbox"/> OK	<input type="checkbox"/>	<input type="checkbox"/>	
Cable connection inspected	<input type="checkbox"/> OK	<input type="checkbox"/>	<input type="checkbox"/>	
Cables properly labeled	<input type="checkbox"/> OK	<input type="checkbox"/>	<input type="checkbox"/>	
Check configuration	<input type="checkbox"/> OK	<input type="checkbox"/>	<input type="checkbox"/>	
Fault Status Read	<input type="checkbox"/> OK	<input type="checkbox"/>	<input type="checkbox"/>	
Internal alarm tested	<input type="checkbox"/> OK	<input type="checkbox"/>	<input type="checkbox"/>	
External alarm tested	<input type="checkbox"/> OK	<input type="checkbox"/>	<input type="checkbox"/>	
Antenna system test	<input type="checkbox"/> OK	<input type="checkbox"/>	<input type="checkbox"/>	

Notes:

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____ Print Name: _____ Date: _____	Signature: _____ Print Name: _____ Date: _____

Prepared (also subject responsible if other) EMZ/ EI EI KHINE		Document No. 1/153 83-IPA 166 2067/BA2968 Uen		
Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-19	Rev. A	File SDD_BA2968_A

Project: Telenor Myanmar
Site: BA2968

Test Record for Site Integration

Tester Name: xxx	Date: xxx
Site ID: BA2968	Site Name: xxx
RBS Type: Huawie DBS3900	Cell Configuration: G900 - S3/3/3

	IP	VLAN
Abis over IP		
OAM		

VOICE, SMS, MMS, SPEED TEST

				THROUGHPUT/SPEED TEST	
Cell	MO/MT Voice Call	SMS	MMS	Download	Upload
Cell 1					
Cell 2					
Cell 3					
Cell 4					
Cell 5					
Cell 6					

HANDOVER TEST

A to B	A to C	B to A	B to C	C to A	C to B	Remark

EXTERNAL ALARM TEST

Alm#	Designation	Type	Pass	Fail	Remarks
01		Closing			
02		Breaking			
03					
04					
05					
06					
07					
08					

Remarks: _____

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

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Project: Telenor Myanmar
Site: BA2968

Test Record for Site Hardware Status

Tester Name: xxx	Date: xxx
Site ID: BA2968	Site Name: xxx
RBS Type: Huawie DBS3900	Cell Configuration: G900 - S3/3/3

Power System

Unit	Product number	Serial
DC power		
Rectifier Module #1		
Rectifier Module #2		
Rectifier Module #3		
Rectifier Module #4		
Battery		

Antenna

Unit	Product number	Serial
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	Serial No.not visible
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	Serial No.not visible
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	Serial No.not visible

RBS Cabinet

Unit	Product number	Serial
DBS3900	2319940	
RRU5909 sector A	02312CYS	2102312CYS10J6000010
RRU5909 sector B	02312CYS	2102312CYS10J6000006
RRU5909 sector C	02312CYS	2102312CYS10J8000009

Remarks: _____

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

Prepared (also subject responsible if other) EMZ/ EI EI KHINE		Document No. 2/153 83-IPA 166 2067/BA2968 Uen		
Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-19	Rev. A	File SDD_BA2968_A

Project: Telenor Myanmar
Site: BA2968

Test Record for Site Installation Verification

Tester Name: XXX	Date: XXX
Site ID: BA2968	Site Name:
RBS Type: Huawie DBS3900	Cell Configuration: W2100 - S2/2/2

NE Standalone test

	Pass	Fail	N/A	Remark
Incoming voltage verified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Circuit breaker with correct rating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cable connection inspected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cables properly labeled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IDB parameter set	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fault Status Read	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal alarm tested	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
External alarm tested	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Antenna system test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Notes:

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

Prepared (also subject responsible if other) EMZ/ EI EI KHINE		Document No. 2/153 83-IPA 166 2067/BA2968 Uen	
Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-19	Rev. File A SDD_BA2968_A

Project: Telenor Myanmar
Site: BA2968

Test Record for Site Integration

Tester Name: xxx	Date: xxx
Site ID: BA2968	Site Name:
RBS Type: Huawie DBS3900	Cell Configuration: W2100 - S2/2/2

	IP	Checked
NODE B		
OAM Link		
RNC Name		

VOICE, VIDEO, SMS, MMS, SPEED TEST

Sector	Carrier	MOBILE ORIGINATING/MOBILE TERMINATING				THROUGHPUT/SPEED	
		Voice call	Video call	SMS	MMS	Download	Upload
Sector 1	1						
	2						
Sector 2	1						
	2						
Sector 3	1						
	2						
Sector 4	1						
	2						
Sector 5	1						
	2						
Sector 6	1						
	2						

HANDOVER TEST

1 to 2	1 to 3	2 to 1	2 to 3	3 to 1	3 to 2	Remark

EXTERNAL ALARM TEST

Alm#	Designation	Type	Pass	Fail	Remarks
01		Closing			
02		Breaking			
03					
04					
05					
06					
07					
08					

Remarks: _____

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

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Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-03-19	Rev. File A SDD_BA2968_A

Project: Telenor Myanmar
Site: BA2968

Test Record for Site Integration

Tester Name: xxx	Date: xxx
Site ID: BA2968	Site Name:
RBS Type: Huawie DBS3900	Cell Configuration: W2100 - S2/2/2

Power System

Unit	Product number	Serial
DC power		
Rectifier Module #1		
Rectifier Module #2		
Rectifier Module #3		
Rectifier Module #4		
Battery		

Antenna

Unit	Product number	Serial
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	Serial No.not visible
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	Serial No.not visible
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	Serial No.not visible

RBS Cabinet

Unit	Product number	Serial
DBS3900	2319940	
RRU5909 sector A	02311TBD	2102311TBD4MJA001223
RRU5909 sector B	02311TBD	2102311TBD4MJA001298
RRU5909 sector C	02311TBD	2102311TBD4MJA001232

Remarks: _____

Accepted by (Telenor)	Responsible Engineer (Ericsson)
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

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2019-03-19

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SDD_BA2968_A

Project: Telenor Myanmar

Site: BA2968

UNITPRODUCT CODEREVSERIAL No.MFG.DATE**DBS3900 GSM900 & WCDMA2100**

BBU 3900 / BBU 3910	02319940 / 02310VTE		2102310WYGP0H1006715	
FANC / FANE	2120577 / 02311CHK		2102311CHKP0H1007643	
UEIU	02315639		2102315639LUJ4014467	
UPEUC / UPEUD2	2319897 / 02310SFM		2102310SFMHVVH1074454	
UMPTb1	..03054885		210305488510J1005922	
UBBPd6	03022HEM		022HEM10HC001204	
EMUB	02231GJH		2102310UWTCNH1901976	
RRU5909	02312CYS		2102312CYS10J6000010	
RRU5909	02312CYS		2102312CYS10J6000006	
RRU5909	02312CYS		2102312CYS10J8000009	
RRU5909	02311TBD		2102311TBD4MJA001223	
RRU5909	02311TBD		2102311TBD4MJA001298	
RRU5909	02311TBD		2102311TBD4MJA001232	

ANTENNA

DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01		Serial No.not visible	
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01		Serial No.not visible	
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01		Serial No.not visible	

RET

RCU136,Agisson RET	27150136		HWB83527116341473725	
RCU136,Agisson RET	27150136		HWB83527116344147359	
RCU136,Agisson RET	27150136		HWB2783486251583BPC	
RCU136,Agisson RET	27150136		HWB2783486259485BHC	
RCU136,Agisson RET	27150136		HWB2783486251509POV	
RCU136,Agisson RET	27150136		HWB7437011271583BD3	

CABINET

ZXDUPA-WR12(V2.6R03M15)outdoor power ca	180000399636		210093993195	
Lithium Ion Battery 48V,100Ah	UIFP48V100AH-1		P48100XA32180728613	
Lithium Ion Battery 48V,100Ah	UIFP48V100AH-1		P48100XA32180728617	
Lithium Ion Battery 48V,100Ah	UIFP48V100AH-1		P48100XA32180728714	
Lithium Ion Battery 48V,100Ah	UIFP48V100AH-1		P48100XA32180728647	
Lithium Ion Battery 48V,100Ah	UIFP48V100AH-1		P48100XA32180728632	

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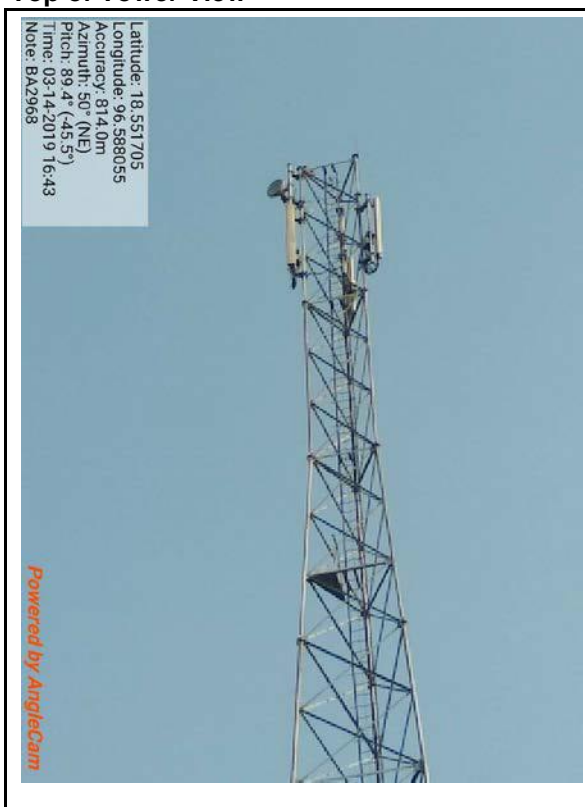
2019-03-19

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Project: **Telenor Myanmar**Site: **BA2968**
Site Location

Tower View

Top of Tower View


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Project: **Telenor Myanmar**
Site: **BA2968**

Vertical Cable Ladder (From Top of Tower)



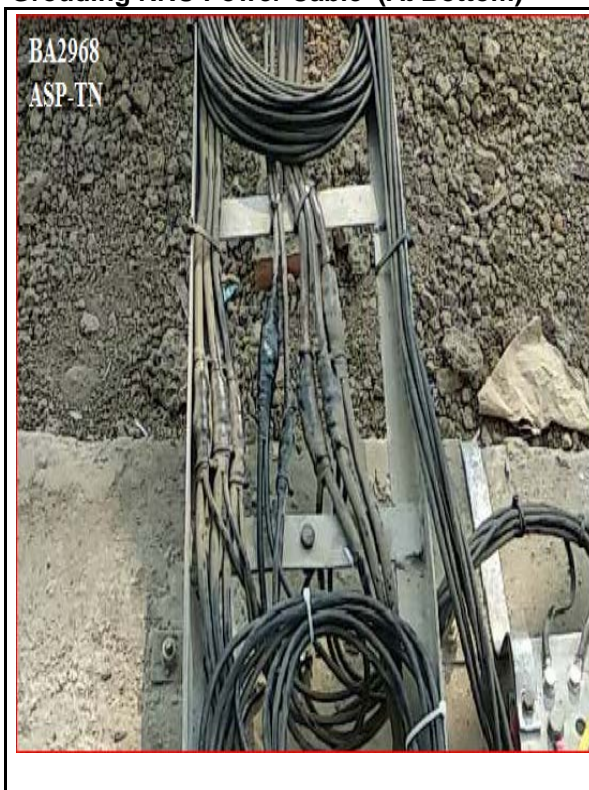
Vertical Cable Ladder (From Bottom of Tower)



Horizontal Cable Ladder



Grouding RRU Power Cable (At Bottom)



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Project: **Telenor Myanmar**
Site: **BA2968**

Antenna Cell A



Antenna Cell B



Antenna Cell C



RCU Cell A



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Project: **Telenor Myanmar**
Site: **BA2968**

RCU Cell B



RCU Cell C



RRU 2G Cell A



RRU 2G Cell B



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Project: **Telenor Myanmar**
Site: **BA2968**

RRU 2G Cell C



Earth Bar for RRU 2G



RRU 3G Cell A



RRU 3G Cell B



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RRU 3G Cell C



Earth Bar for RRU 3G



Cabinet (Close)



Cabinet (Open)



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EMZ/Manoj Kumar		2019-03-19	A	SDD_BA2968_A

Project: **Telenor Myanmar**
Site: **BA2968**

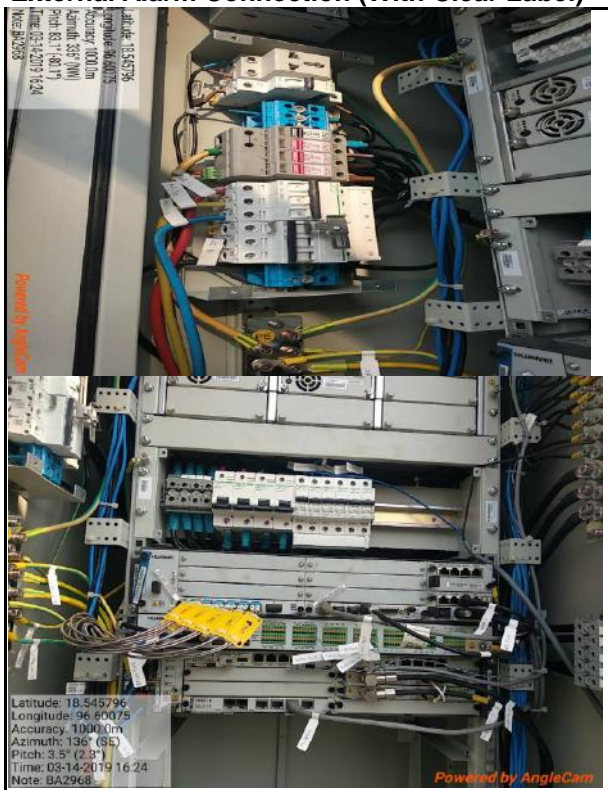
BBU 3900



DCDU



External Alarm Connection (With Clear Label)



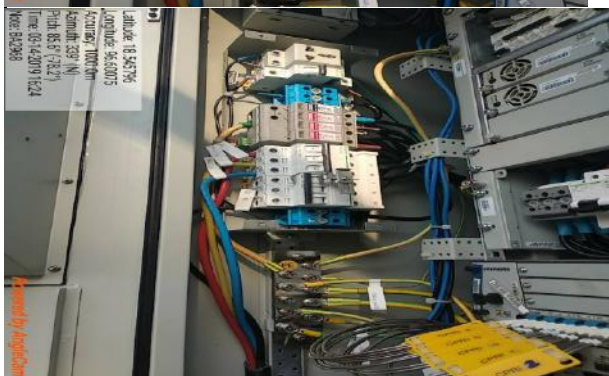
Cable Inlet Indoor



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EMZ/Manoj Kumar		2019-03-19	A	SDD_BA2968_A

Project: **Telenor Myanmar**
Site: **BA2968**

AC Power Cable At Telecom Cabinet



Main Earth Bar In Cabinet



AC Power Cable At AC Box



Main Earth Bar For Cabinet



SITE PHOTO

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 Project: **Telenor Myanmar**

 Site: **BA2968**
Site Area cleaned
Site Area cleaned


PHOTOS LIST

- 1 Site Location
- 2 Tower View
- 3 Vertical Cable Ladder
- 4 Horizontal Cable Ladder
- 5 Antenna Cell A
- 6 Antenna Cell B
- 7 Antenna Cell C
- 8 RCU Cell A
- 9 RCU Cell B
- 10 RCU Cell C
- 11 RRU 3936 Cell A
- 12 RRU 3936 Cell B
- 13 RRU 3936 Cell C
- 14 RRU 3826 Cell A
- 15 RRU 3826 Cell B
- 16 RRU 3826 Cell C
- 17 Earth Bar for RRU
- 18 Cabinet (Close)
- 19 Cabinet (Open)
- 20 BBU 3900
- 21 DCDU
- 22 Main Earth Bar for Cabinet
- 23 Earth Bar Cabinet
- 24 DG Set (Close)
- 25 DG Set (Open)

Rev.TT26 2016-08-16

ERICSSON

ACCEPTANCE CERTIFICATE

telenor

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EMZ/ EI EI KHINE		179 61-IPA 166 2067/BA2968 Uen		
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EMZ/Manoj Kumar		2019-03-19	A	SDD_BA2968_A

Project:

Telenor Myanmar

Site:

BA2968

NETWORK ELEMENT ACCEPTANCE CERTIFICATE

This is to certify that Ericsson Radio Systems AB has delivered, installed and tested the Network Elements on site **BA2968** as defined in PO_NS_000020 and PO_NS_000021

PO RBS: PO_NS_000039
PO HW Cabinet: PO_NS_000030
PO Antenna: PO_NS_000038

The Network element acceptance has been performed in accordance with the procedures described in above mentioned contract. Further reference should be made to the acceptance documents. The Network element passed the acceptance with remarks per attached test report.

TEST DOCUMENTS	Documents Number
DBS3900 Test Report - G900	1/153 83-IPA 166 2067/BA2968 Uen rev A
DBS3900 Test Report - W2100	2/153 83-IPA 166 2067/BA2968 Uen rev A

For Telenor

(The Buyer)

For Ericsson

(The Vendor)

Signature:

Signature:

Name:

Name:

Date:

Date:

Rev.TT26 2016-08-16

ERICSSON

ACCEPTANCE CERTIFICATE

telenor

Prepared (also subject responsible if other)		Document No.		
EMZ/ EI EI KHINE		179 61-IPA 166 2067/BA2968 Uen		
Doc respons/Approved	Checked	Date	Rev.	File
EMZ/Manoj Kumar		2019-03-19	A	SDD_BA2968_A

Project:

Telenor Myanmar

Site:

BA2968

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For Telenor

(The Buyer)

For Ericsson

(The Vendor)

Signature:

Signature:

Name:

Name:

Date:

Date: