


RADIO SITE DESIGN DOCUMENTATION

Region: South
Site ID: MO0682

ERICSSON 	
CAPTION LIST	
Document No. 001 53-IPA 165 4537/MO0682 Uen	
Date 2015-12-07	Rev. A

SITE DESIGN DOCUMENTATION



MO0682
GSM900 & WCDMA2100
Huawei DBS3900

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Prepared (also subject responsible if other) EMZ/ Toan Truong		Document No. 001 51-IPA 165 4537/MO0682 Uen		
Doc respons/Approved ETV/OJA Hung Ngo	Checked	Date 2015-12-07	Rev. A	File SDD_MO0682_A

Project: Telenor Myanmar

Site: MO0682

<u>Document name</u>	<u>Document number</u>	<u>Rev.</u>
SITE DESIGN DOCUMENTATION	001 53-IPA 165 4537/MO0682 Uen	A
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9 OTHERS		
Label Sheets		

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ETV/OJA Hung Ngo		2015-12-07	A	SDD_MO0682_A

Project: Telenor Myanmar

Site: MO0682

1 GENERAL SITE DATA

1.1	Geographical coordinates	Long: 97.718261 Lat: 16.258404
1.2	Region	South
1.3	Address	Mon State Myanmar
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	4/4/4
2.5	No. of Remote Radio Unit (RRU)	3
2.6	RRU type	RRU3936
2.7	Mechanical Dimensions RRU (mm) WxDxH	300x120x400
2.8	Weight for one RRU	14kg / 15kg (with cover)
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	RRU3839
2.14	Mechanical Dimensions RRU (mm) WxDxH	300x120x400
2.15	Weight for one RRU	14kg / 15kg (with cover)
2.16	Mechanical Dimensions DBS(mm) WxDxH	442x310x86
2.17	Weight for one DBS (fully equipped)	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	RASO Model D L
3.2	Mechanical Dimensions (mm) WxDxH	750Wx750Dx2000H
3.3	Free space for equipment	9U

4 TECHNICAL DATA RBS ANTENNA SYSTEM

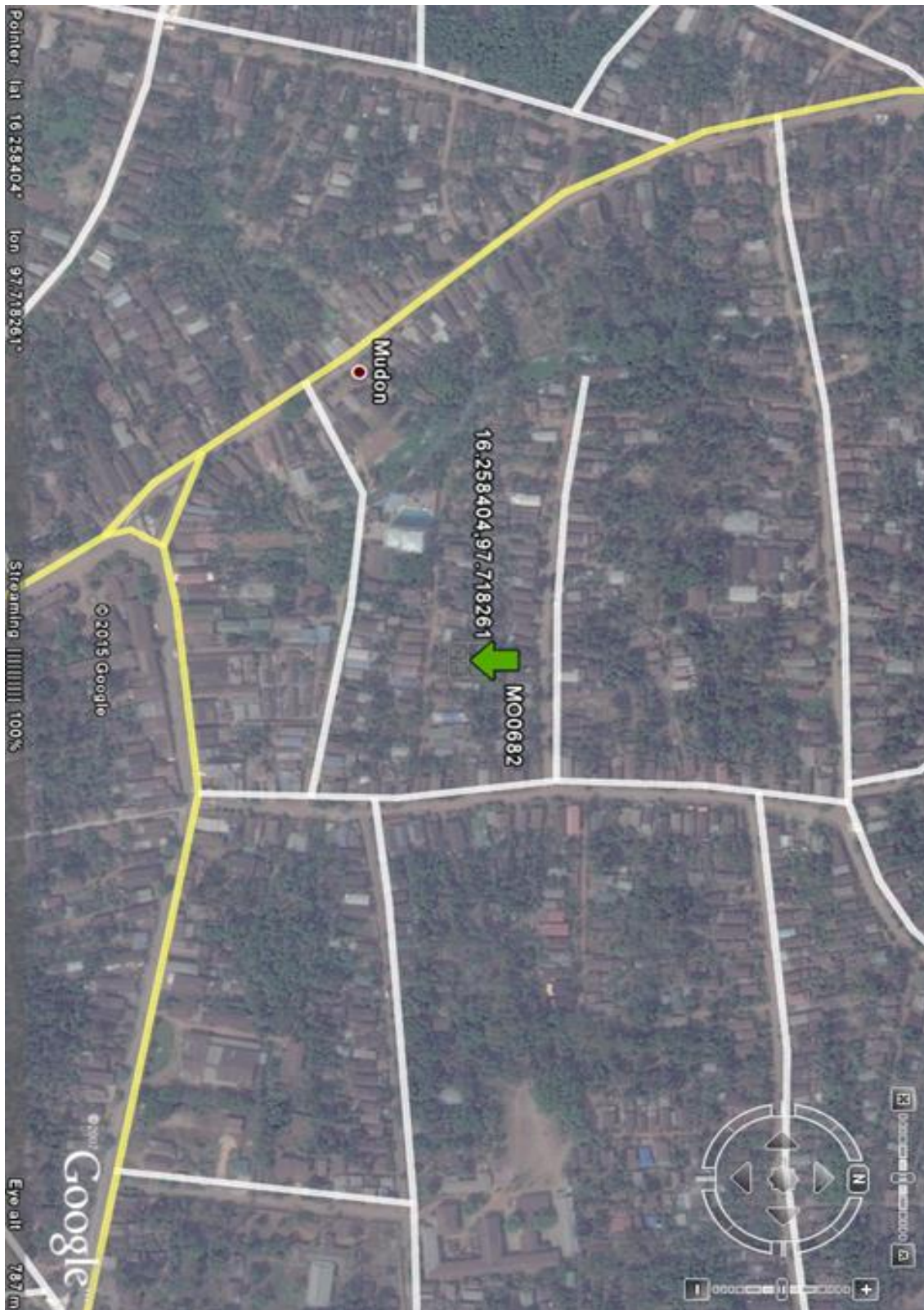
4.1	Antenna height (m.a.g.l.)	A= 27	B= 27	C= 27
4.2	Antenna directions	A= 100°	B= 180°	C= 310°
4.3	Mech/Elec Downtilt, deg	A= 2°/0°	B= 2°/0°	C= 2°/0°
4.4	Quantity of Antenna	3 pcs		
4.5	Antenna model	ADU451807v01		
4.6	Antenna type	DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M		
4.7	Antenna dimensions (mm)	2535 x 259 x 135		
4.8	Weight of one antenna (kg)	#		
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	100m		

5 TECHNICAL DATA RBS ANTENNA SUPPORT STRUCTURE

5.1	Tower/mast/pole type	Green Field 35m
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Project: Telenor Myanmar
Site ID: MO0682
Drawing: Situating Plan Drawing
153 38-IPA 165 4537/MO0682 Uen

Geographical coordinates
Long (E): 97 ° 43 ' 5.74 "
Lat (N): 16 ° 15 ' 30.25 "



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EMZ/ Toan Truong		1/127 11-IPA 165 4537/MO0682 Uen		
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ETV/OJA Hung Ngo		2015-12-07	A	SDD_MO0682_A

Project **Telenor Myanmar**
Site: **MO0682**

No.	MODEL No.	WH No.	DESCRIPTION	QTY/ UNIT
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1. DBS3900 EQUIPMENT

1.1 DBS3900 (GSM S4/4/4+WCDMA S2/2/2), DC -48V

GM5M9E393600	S4025608	RRU3936 Radio Unit(900MHz EGSM/-48V)	3 pcs
GM5M9E393600	02310MNN	RRU3936,WD5MJRUD88CB,MRRU V3,Multi-mode Multi-carrier	3 pcs
WD2M00UEIU00	02315639	Universal Environment Interface control Unit	1 pc
WD2M048BBU01	02319940	BBU Box	1 pc
AOUHLABL00	29040907	DKBA8.807.0202, Outdoor label, cBTS3612, 55*20*0.5, GE 8B35,	4 pcs
	29080025	MBTS DBS Cable Suite Label	1 pc
WD5P25CPRI02	34060365	Optical Transceiver, eSFP, 850nm, 4.25G multi-rate, -9dBm~-1.5dBm	6 pcs
WD5P0INSMT03	02239349	3900 Series DBS, Site Auxiliary Material Kit(G/U/L)	1 pc
AOUHLABL00	29040907	DKBA8.807.0202, Outdoor label, cBTS3612, 55*20*0.5, GE 8B35,	4 pcs
	29080025	MBTS DBS Cable Suite Label	1 pc
WD5P25CPRI02	34060365	Optical Transceiver, eSFP, 850nm, 4.25G multi-rate, -9dBm~-1.5dBm	6 pcs
WD2DUMPTB101	03054885	Universal Main Processing & Transmission unit with 4E1 and 2F	1 pc
COITUSB00	04050386	IT Equipment Cable, For BBU local maintenance adapter, 0.38m,	1 pc
QWMDUBBPD3	03021HEJ	Universal Baseband Processing Unit d3	2 pcs
GM5D00GTMU01	03030LPM	Main Control and Transport unit(4E1&1 electrical FE&1 optical F	1 pc
WD5M21383900	02310TQF	RRU3839 for WCDMA 2100MHz (80W)	3 pcs
QWMP000JMP02	02237428	DBS Antenna Feeder Installation Auxiliary Kit Per Sector, Genera	6 pcs
QWMP000JMP02	04130065	RF Cable, 2m, DIN50SM-II, COAX50-8.7/3.55, DIN50SM-II, 1/2 Inci	12 pcs
QWMP0000FE00	04070005	Signal Cable, Shielded Straight Through Cable, 2.2m, MP8-II, CC4	1 pc
C1006YG00	25030191	Wire, 450/750V, 60227 IEC 02(RV) 6mm^2, Yellow/Green, 44A(Un	2 m

1.2 Installation cable

WD5P25CPRI02	14130623	100m, Optical Cable Assembly, DLC/PC, DLC/PC, Multi-mode, GY	6 pcs
	25030429	Wire, 450/750V, 60227 IEC 02(RV) 16mm^2, yellow green, 85A, Wi	18 m
QW7PRRUCAP01	25030671	Power Cable, 300V, UL2464, 3.31mm^2, 2x12AWG, Black Jacket(2	252 m
	27150086	Fixing clip, locked 3pcs optical cables and 3pcs power cables, 1	40 pks

2. ANTENNA SYSTEM

ADU451807v01	27010881-001	Directional Antenna, DXX-790-960/1710-2180-65/65-17.5i/18.5i-1	3 pcs
	27150232	Downtilt Kit-B Type	3 pcs

3. RET MATERIAL

ACOAISG02	04070097	Signal Cable, AISG Communication cable, 5m, D9M+D9(PS)(W), C	6 pcs
ARCU02004	27150136	Antenna Feeder Accessories, RCU136, Agissson RET Antenna R	6 pcs

4. CABINET

ESOA300FBG10	ESOA300FBG10	OUTD-6602-RF SERIES RBS 6601 2.0M	1 pk
DPR 2900C	ESR4856BASA	HE 96 PERCENT 2900W RECTIFIER	3 pk
MPG12V170F	MPG12V170F	NARADA MPG12V170F 12V battery 170AH	8 pk

5. INSTALLATION MATERIALS

QWFM00EMUA01	02314551	Outdoor Environment Monitoring Extension Unit	1 pc
K46JGKUE	04080084	Monitor&Alarm Cable, EMUA Alarm Cable, 2.0m, D9M, CC4P0.48I	1 pc
EN3C1P5BK00	25030704	Power Cable, 600V, UL3386, 1.5mm^2, 16AWG, Black, 24A, XLPE, f	2 m
EN3C1P5BL00	25030705	Power Cable, 600V, UL3386, 1.5mm^2, 16AWG, Blue, 24A, XLPE, fo	2 m

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2015-12-07

A

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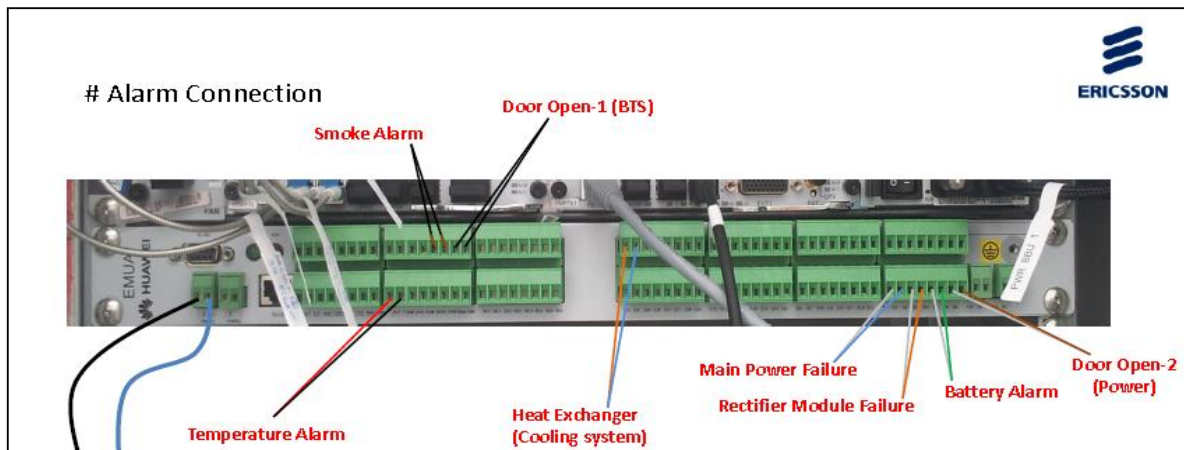
Project: Telenor Myanmar
 Site: MO0682

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	

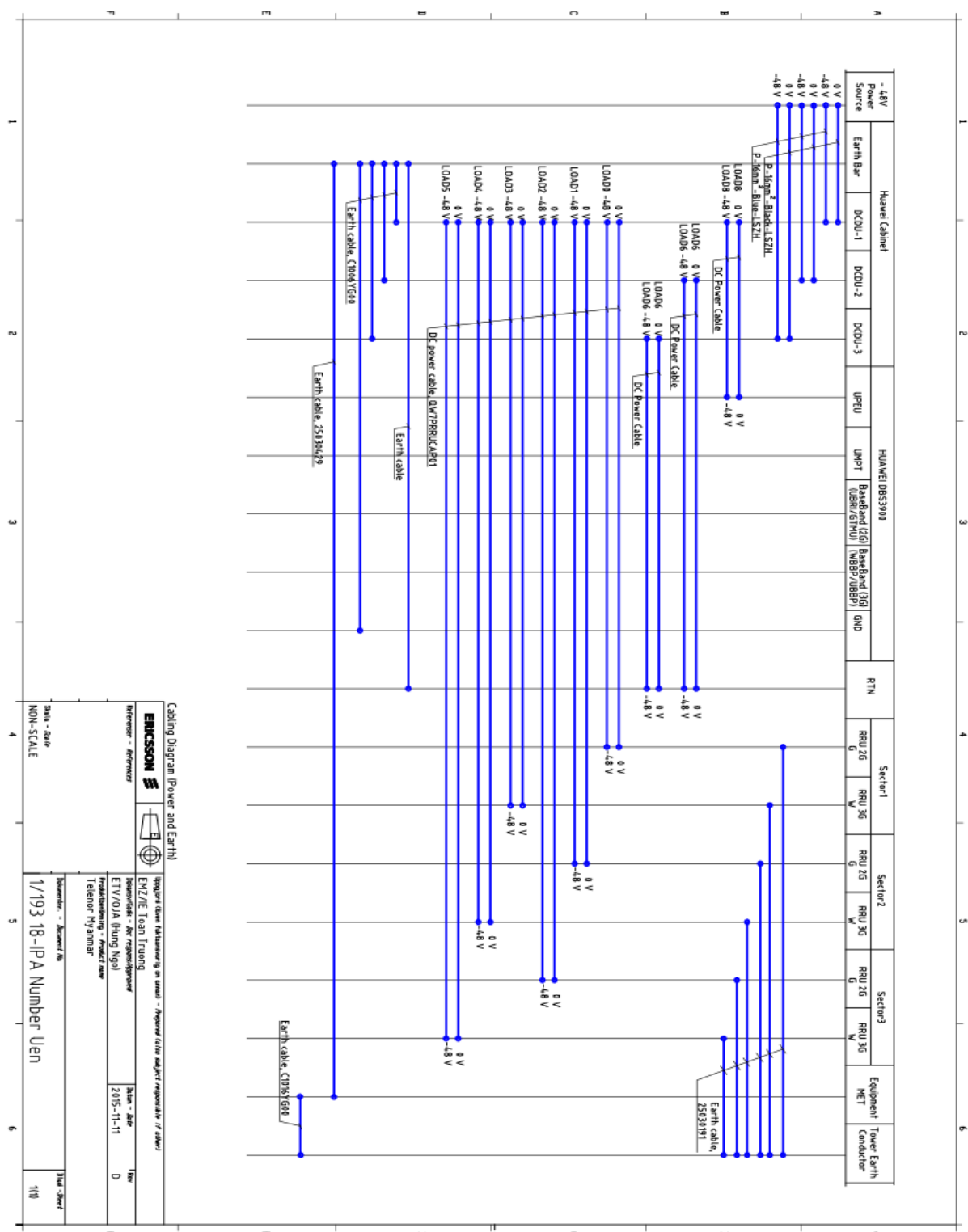


Closing: the alarm cable is open when no alarms are present

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

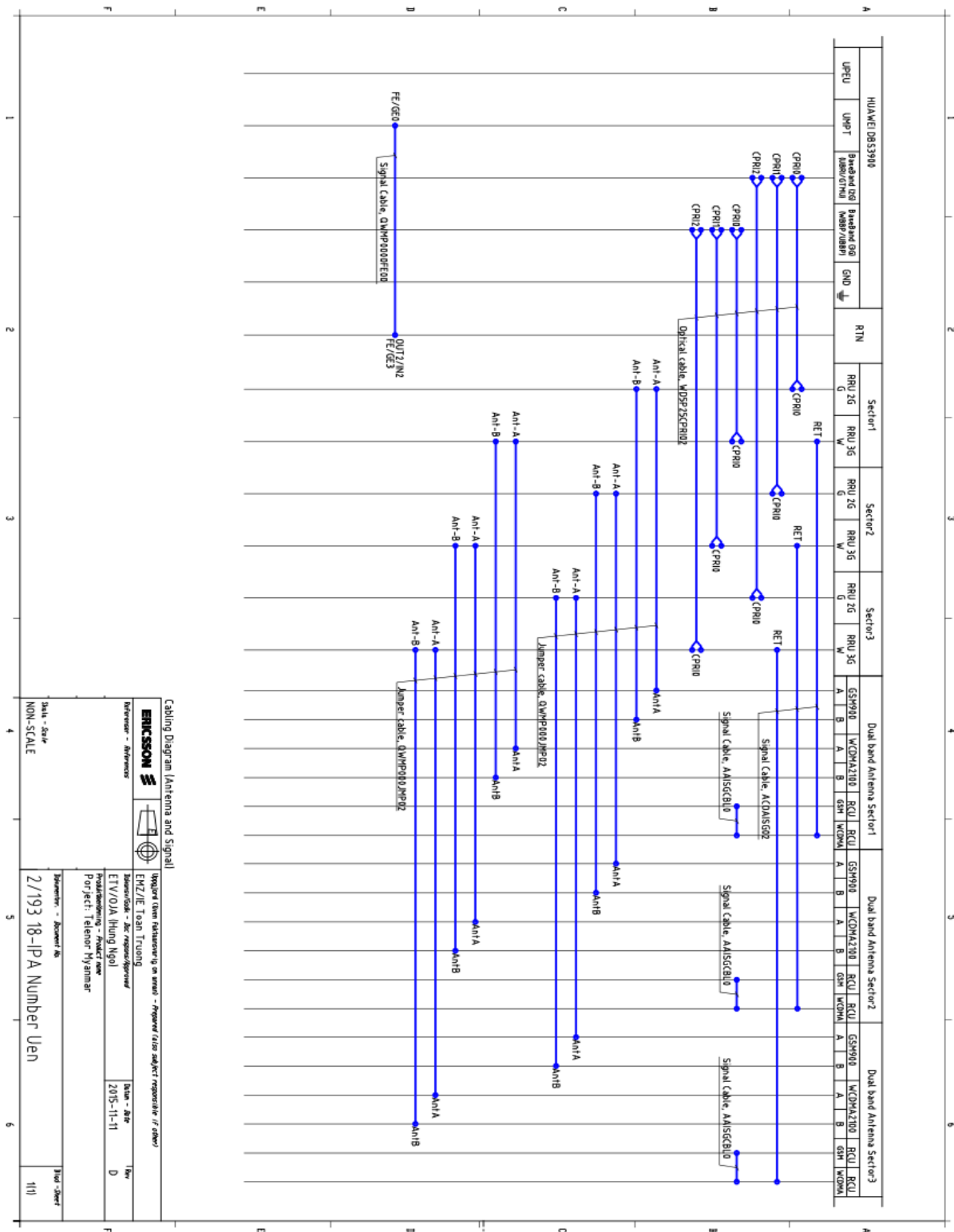
** Need to mark from site after alarm configuration

Geographical coordinates
Long (E): 97 ° 43 ' 5.74 "
Lat (N): 16 ° 15 ' 30.25 "



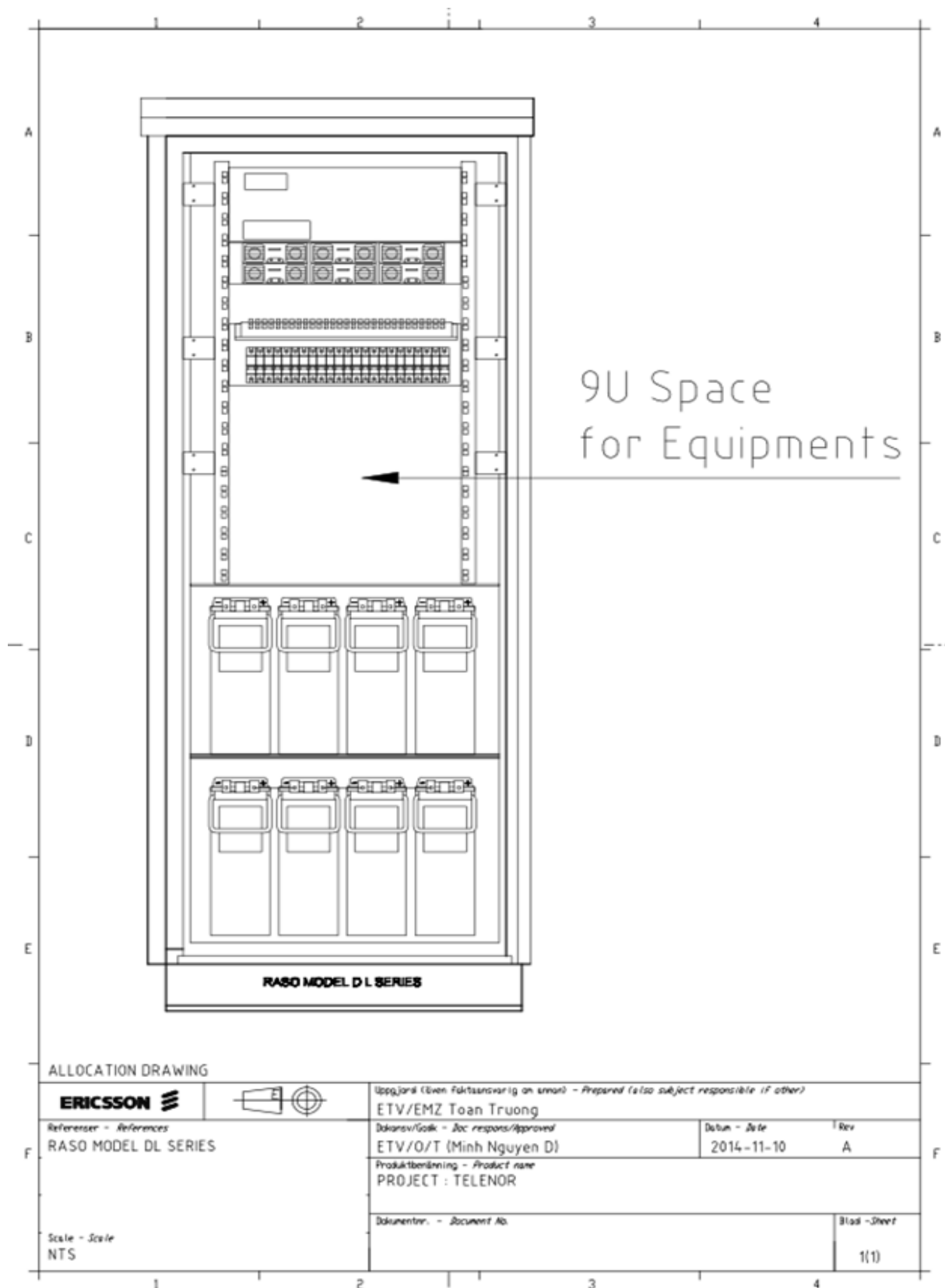
Project: Telenor Myanmar
 Site ID: MO0682
 Drawing: Cabling Diagram (Signal & Antenna)
 2/193 18-IPA 165 4537/MO0682 Uen

Geographical coordinates
 Long (E): 97 ° 43 ' 5.74 "
 Lat (N): 16 ° 15 ' 30.25 "



Project: Telenor Myanmar
 Site ID: MO0682
 Drawing: Allocation Drawing Cabinet
 193 26-IPA 165 4537/MO0682 Uen

Geographical coordinates
 Long (E): 97 ° 43 ' 5.74 "
 Lat (N): 16 ° 15 ' 30.25 "



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Project: Telenor Myanmar
Site: MO0682

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 fasten	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			

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Project: Telenor Myanmar
Site: MO0682

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: _____

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Project: Telenor Myanmar
Site: MO0682

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

EQUIPMENT USED	NOS.
1 Digital Multimeter	2
2 Digital Tilt Meter	1
3 Mirror Compus	1
4 Hammer Drill	1
5 Heat Gun	1
6 Hexagon Key Set	1 Set
7 Screw Driver Set	1 Set
8 Knife	2
9 Cable Cutter	2
10 Tie Cutter	2
11 U-ring Wrench -8~32	1 Set
12 Socket Sets	1 Set

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: <u>Ericson Myanmar Co. Ltd.</u> Signature: _____ Print Name: _____ Date: _____
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Doc respons/Approved ETV/OJA Hung Ngo	Checked	Date 2015-12-07	Rev. B
		File SDD_MO0682_A	

Project: Telenor Myanmar
Site: MO0682

Test Record for Site Installation Verification

Tester Name:	Date:
Site ID: MO0682	Site Name: MO0682
RBS Type: Huawei DBS3900	Cell Configuration: G900 - S4/4/4

NE Standalone test

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

Notes:

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

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Doc respons/Approved ETV/OJA Hung Ngo	Checked	Date 2015-12-07	Rev. B	File SDD_MO0682_A

Project: Telenor Myanmar
Site: MO0682

Test Record for Site Integration

Tester Name:	Date:
Site ID: MO0682	Site Name: MO0682
RBS Type: Huawie DBS3900	Cell Configuration: G900 - S4/4/4

	IP	VLAN
Abis over IP		
OAM		

VOICE, SMS, MMS, SPEED TEST

Cell	MO/MT Voice Call	SMS	MMS	THROUGHPUT/SPEED TEST	
				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) Signature: _____ Print Name: _____ Date: _____	Responsible Engineer (Ericsson) Signature: _____ Print Name: _____ Date: _____
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Project: Telenor Myanmar
Site: MO0682

Test Record for Site Hardware Status

Tester Name:	Date:
Site ID: MO0682	Site Name: MO0682
RBS Type: Huawie DBS3900	Cell Configuration: G900 - S4/4/4

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	1520003289
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	1520003887
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	1520003571

RBS Cabinet

Unit	Product number	Serial
DBS3900	WD2M048BBU01	HY5153700569W0
RRU 3936, sector A	GM5M9E393600	2102310MNN6TEA403783
RRU 3936, sector B	GM5M9E393600	2102310MNN6TEA404007
RRU 3936, sector C	GM5M9E393600	2102310MNN6TFA404036

Remarks: _____

Accepted by (Telenor) Signature: _____ Print Name: _____ Date: _____	Responsible Engineer (Ericsson) Signature: _____ Print Name: _____ Date: _____
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Doc respons/Approved ETV/OJA Hung Ngo	Checked	Date 2015-12-07	Rev. B	File SDD_MO0682_A

Project: Telenor Myanmar
Site: MO0682

Test Record for Site Installation Verification

Tester Name:	Date:
Site ID: MO0682	Site Name: MO0682
RBS Type: Huawie DBS3900	Cell Configuration: W2100 - S2/2/2

NE Standalone test

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

Notes:

Accepted by (Telenor) Signature: _____ Print Name: _____ Date: _____	Responsible Engineer (Ericsson) Signature: _____ Print Name: _____ Date: _____
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Document No.

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2015-12-07

B

SDD_MO0682_A

Project: Telenor Myanmar
Site: MO0682

Test Record for Site Integration

Tester Name:	Date:
Site ID: MO0682	Site Name: MO0682
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: _____

Prepared (also subject responsible if other)

Document No.

EMZ/ Toan Truong

2/153 83-IPA 165 4537/MO0682 Uen

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Date

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2015-12-07

B

SDD_MO0682_A

Project: Telenor Myanmar

Site: MO0682

Test Record for Site Integration

Tester Name:	Date:
Site ID: MO0682	Site Name: MO0682
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	1520003289
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	1520003887
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01	1520003571

RBS Cabinet

Unit	Product number	Serial
DBS3900	WD2M048BBU01	HY5153700569W0
RRU 3826, sector A	WD5M21382600	2102310TQF10F9004410
RRU 3826, sector B	WD5M21382600	2102310TQF10F9004487
RRU 3826, sector C	WD5M21382600	2102310TQF10F9004479

Remarks:

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

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Date

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2015-12-07

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SDD_MO0682_A

Project: Telenor Myanmar
Site: MO0682

UNIT	PRODUCT CODE	REV	SERIAL No.	MFG.DATE
DBS3900 GSM900 & WCDMA2100				
BBU	WD2M048BBU01		2102112722P0F300071	
FAN	WD2M000FAN02		2102120577P0F3001220	
UEIU	WD2M000UEIU00		21023156394MF3008835	
UPEU	WD2M000PEU03		21023198974MF1034682	
UMPTb	WD2DUMPTB101		210305488510F8033353	
GTMU01	GM5D00GTMU01		030LRM4MEB001252	
UBBPd3 00	QWMDUBBPd3		022HEJ10F9002414	
UBBPd3 03	QWMDUBBPd3		022HEJ10F9003195	
EMUB	QWF1EMUB1		2102310UWTCNF2005045	
RRU3936 Radio Unit	GM5M9E393600		2102310MNN6TEA403783	
RRU3936 Radio Unit	GM5M9E393600		2102310MNN6TEA404007	
RRU3936 Radio Unit	GM5M9E393600		2102310MNN6TFA404036	
RRU3839 for WCDMA	WD5M21383900		2102310TQF10F9004410	
RRU3839 for WCDMA	WD5M21383900		2102310TQF10F9004487	
RRU3839 for WCDMA	WD5M21383900		2102310TQF10F9004479	
ANTENNA				
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01		1520003289	
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01		1520003887	
DXX-790-960/1710-2180-65/65-17.5i/18.5i-M/M	ADU451807v01		1520003571	
RET				
RCU136,Agisson RET	27150136		HWB2729393371552UQA	
RCU136,Agisson RET	27150136		HWB179820056155349D	
RCU136,Agisson RET	27150136		HWB8145545701552UMX	
RCU136,Agisson RET	27150136		HWB1094453581553459	
RCU136,Agisson RET	27150136		HWB1813499611552UX6	
RCU136,Agisson RET	27150136		HWB172103538155348U	
CABINET				
RASO Model D L	ESOA300FBG10		HY5153700569W0	
EAB-ESR4856BASA	DPR2900C		VI153509103W0	
EAB-ESR4856BASA	DPR2900C		VI153509506W0	
EAB-ESR4856BASA	DPR2900C		VI153509546W0	

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)

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SDD_MO0682_A

Project: **Telenor Myanmar**Site: **MO0682****Site Location****Tower View**

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Date

2015-12-07

Rev.

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SDD_MO0682_A

Project: **Telenor Myanmar**Site: **MO0682**

Vertical Cable Ladder (From Top of Tower)



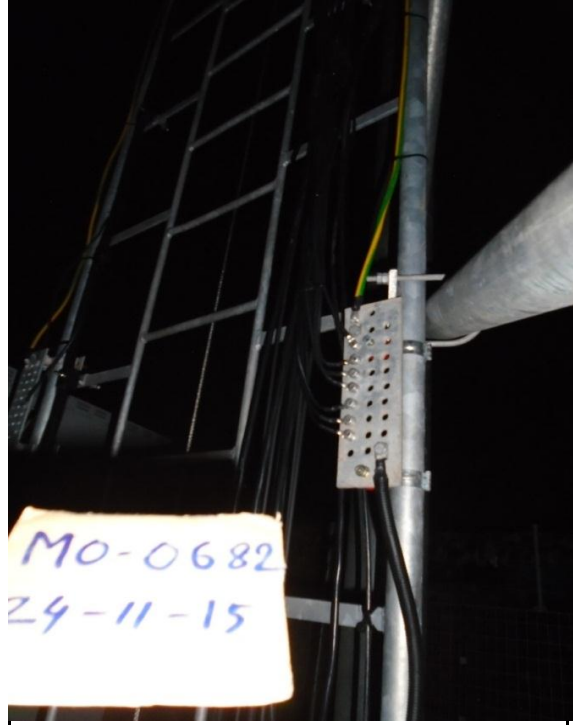
Vertical Cable Ladder (From Bottom of Tower)



Horizontal Cable Ladder



Grounding RRU Power Cable (At Bottom)



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Date

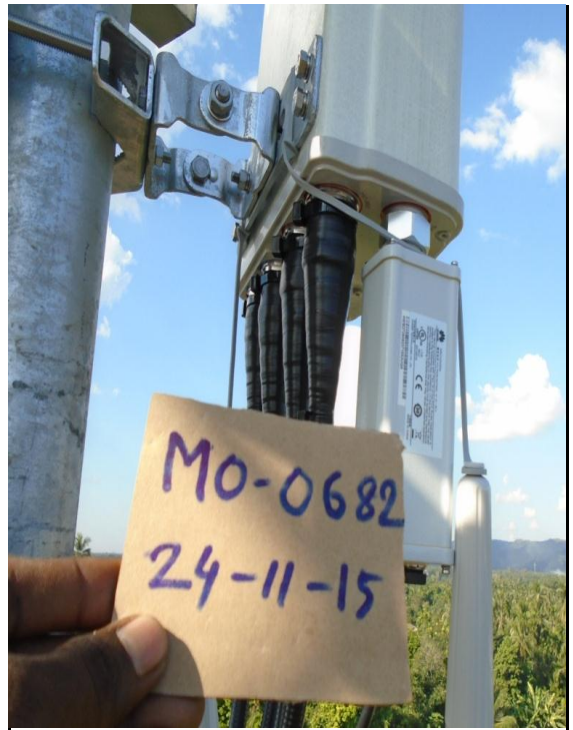
2015-12-07

Rev.

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SDD_MO0682_A

Project: **Telenor Myanmar**Site: **MO0682****Antenna Cell A****Antenna Cell B****Antenna Cell C****RCU Cell A**

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Project: **Telenor Myanmar**Site: **MO0682**

RCU Cell B



RRU 3936 Cell A



RCU Cell C



RRU 3936 Cell B



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Project: Telenor Myanmar

Site: MO0682

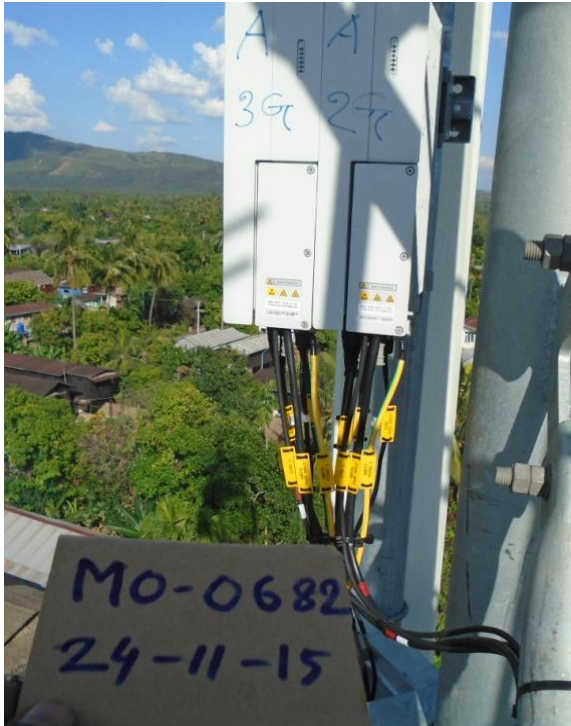
RRU 3936 Cell C



Earth Bar for RRU 3936



RRU 3826 Cell A



RRU 3826 Cell B



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Project: Telenor Myanmar

Site: MO0682

RRU 3826 Cell C



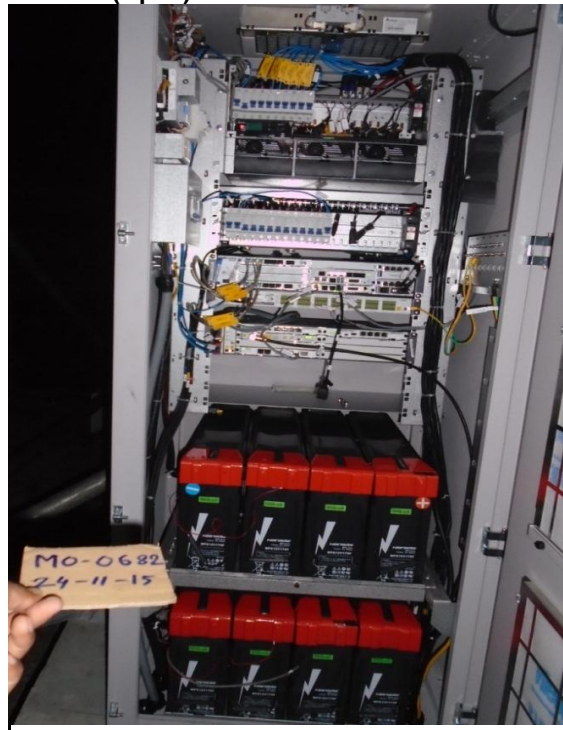
Cabinet (Close)



Earth Bar for RRU 3826



Cabinet (Open)



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2015-12-07

Rev.

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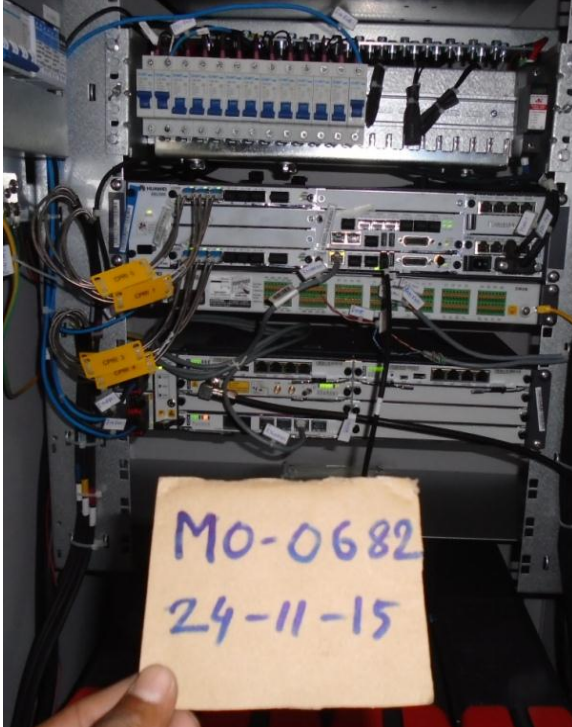
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SDD_MO0682_A

Project: Telenor Myanmar

Site: MO0682

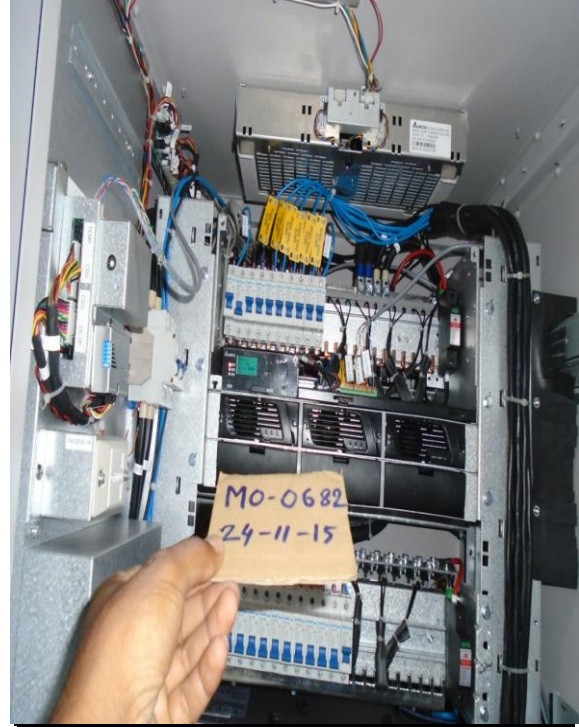
BBU 3900



External Alarm Connection (With Clear Label)



DCDU



Cable Inlet Indoor



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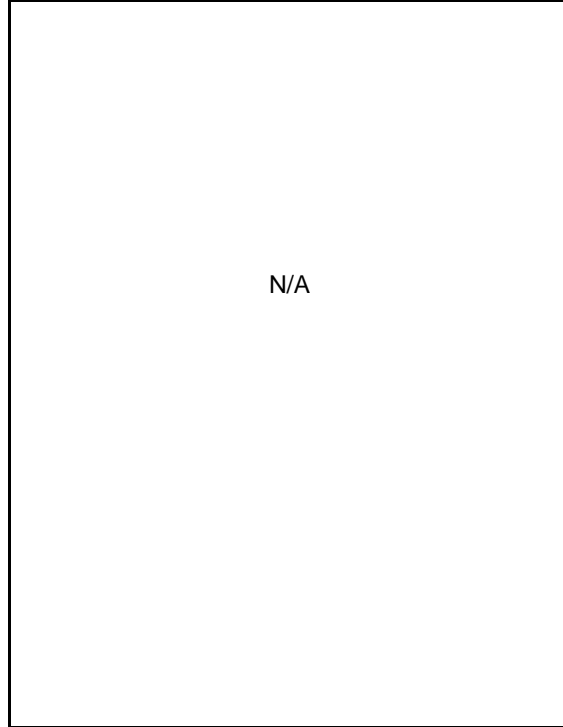
Project: Telenor Myanmar

Site: MO0682

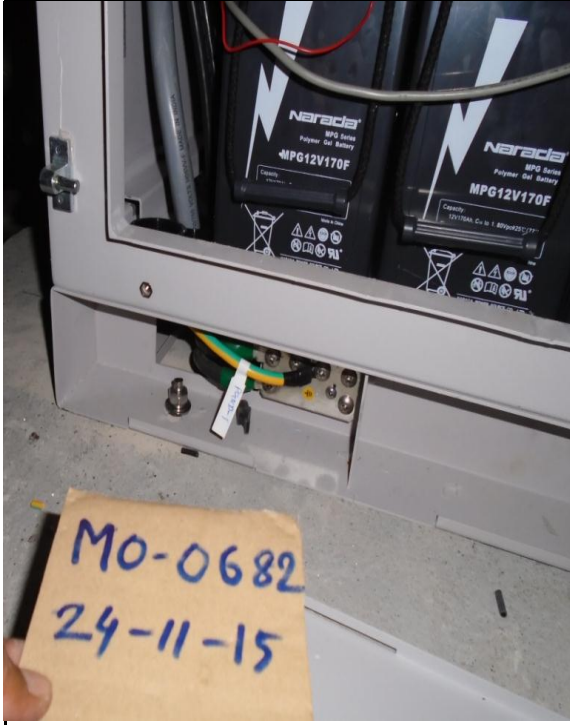
AC Power Cable At Telecom Cabinet



AC Power Cable At AC Box



Main Earth Bar In Cabinet



Main Earth Bar For Cabinet



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Doc respons/Approved ETV/OJA Hung Ngo	Checked	Date 2015-12-07	Rev. A	File SDD_MO0682_A

Project: Telenor Myanmar
Site: MO0682

NETWORK ELEMENT ACCEPTANCE CERTIFICATE

This is to certify that Ericsson Radio Systems AB has delivered, installed and tested the Network Elements on site **MO0682** 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

DBS3900 Test Report - G900
 DBS3900 Test Report - W2100

Documents Number

1/153 83-IPA 165 4537/MO0682 Uen rev B
 2/153 83-IPA 165 4537/MO0682 Uen rev B

For Telenor
 (The Buyer)

For Ericsson
 (The Vendor)

Signature:

Name:

Date:

Signature:

Name:

Date: