

# RADIO SITE DESIGN DOCUMENTATION

Region: South  
Site ID: AY1703

**ERICSSON** **CAPTION LIST**

Document No.

001 53-IPA 166 2000/AY1703 Uen

Date

2019-01-17

Rev.

A

**SITE INSTALLATION  
DOCUMENTATION****AY1703****GSM900 & WCDMA2100****Huawei DBS3900**

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Prepared (also subject responsible if other) <b>EMZ/ EI EI KHINE</b>		Document No. <b>001 51-IPA 166 2000/AY1703 Uen</b>		
Doc respons/Approved <b>EMZ/Manoj Kumar</b>	Checked	Date <b>2019-01-17</b>	Rev. <b>A</b>	File <b>SID_AY1703_A</b>

**Project: Telenor Myanmar****Site: AY1703**

<u>Document name</u>	<u>Document number</u>	<u>Rev.</u>
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Doc respons/Approved <b>EMZ/Manoj Kumar</b>	Checked	Date <b>2019-01-17</b>	Rev. <b>A</b>

**Project: Telenor Myanmar**  
**Site: AY1703**

## 1 GENERAL SITE DATA

1.1	Geographical coordinates	Long: 95.65251 Lat: 16.73038
1.2	Region	South
1.3	Address	No. 38 Corner of MinLan Street & 5th Street, 5th Qtr, Maubin Tsp.
1.4	Type of Site	Roof Top
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	RRU3959
2.7	Mechanical Dimensions RRU (mm) WxDxH	300x120x400
2.8	Weight for one RRU	14kg / 15kg (with cover)
<b>WCDMA2100</b>		
2.9	System	WCDMA2100
2.10	No. of sector	3
2.11	No. of carrier	3/3/3
2.12	No. of Remote Radio Unit (RRU)	3
2.13	RRU type	RRU3959
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 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	ODC148301A06HEX (DPC)
3.2	Mechanical Dimensions (mm) WxDxH	800Wx800Dx2250H
3.3	Free space for equipment	10U

## 4 TECHNICAL DATA RBS ANTENNA SYSTEM

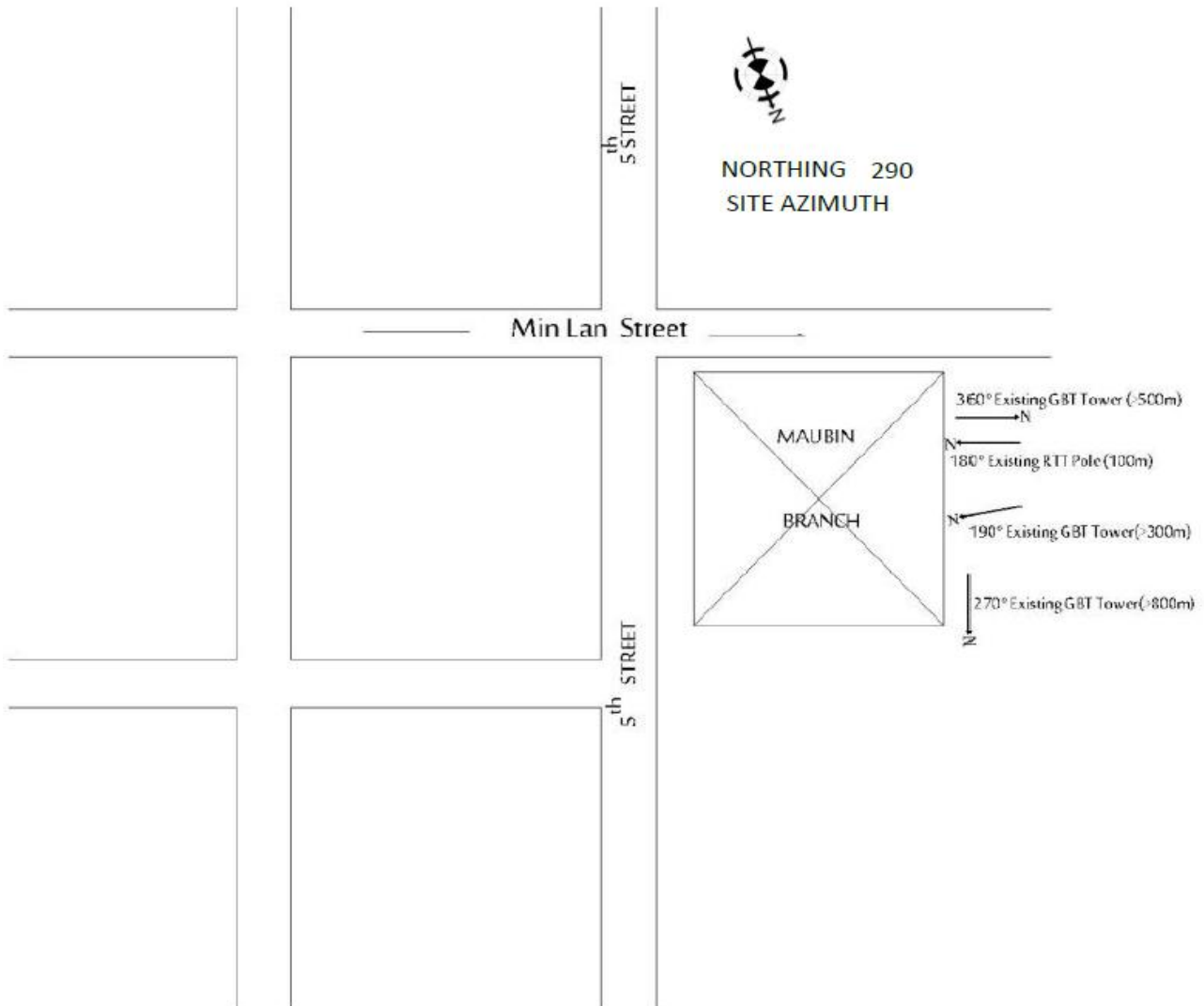
4.1	Antenna height (m.a.g.l.)	A= 16	B= 16	16
4.2	Antenna directions	A= 40°	B= 140°	300°
4.3	Mech/Elec Downtilt, deg	A= 2°/0°	B= 2°/0°	2°/0°
4.4	Quantity of Antenna	3 pcs		
4.5	Antenna model	ADU451503		
4.6	Antenna type	DXX-790-960/1710-2180-65/65-15i/17.5i-M/M		
4.7	Antenna dimensions LxWxD (mm)	1360 x 259 x 135		
4.8	Weight of one antenna (kg)	13.7		
4.9	Wind load (N)	Frontal:	440	(at 150 km/h)
		Lateral:	230	(at 150 km/h)
		Rear:	585	(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	RTP 6m
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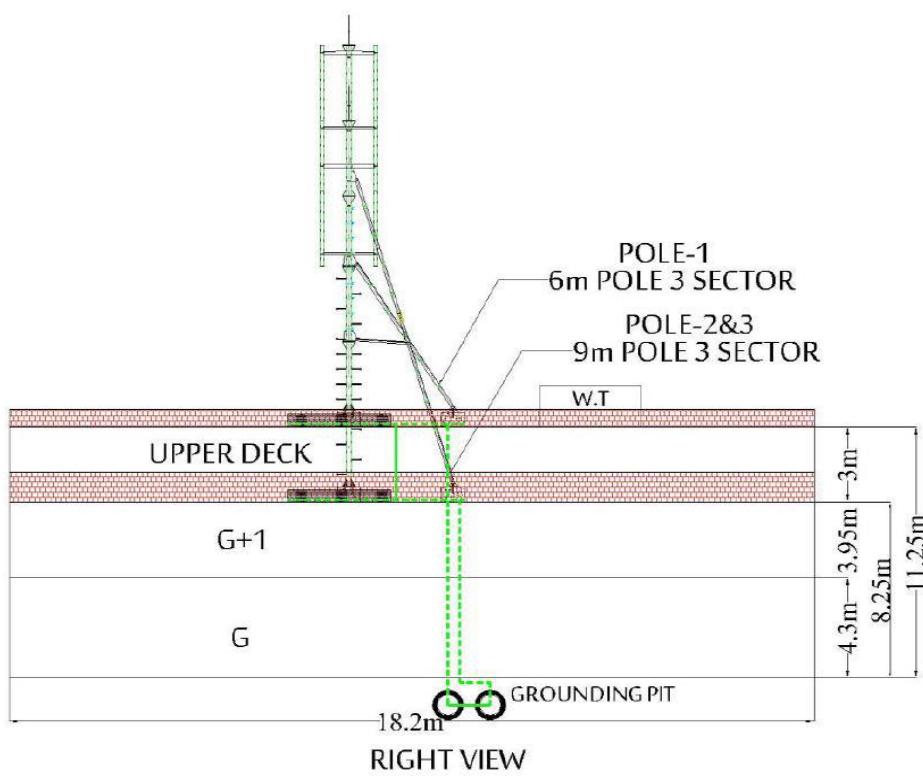
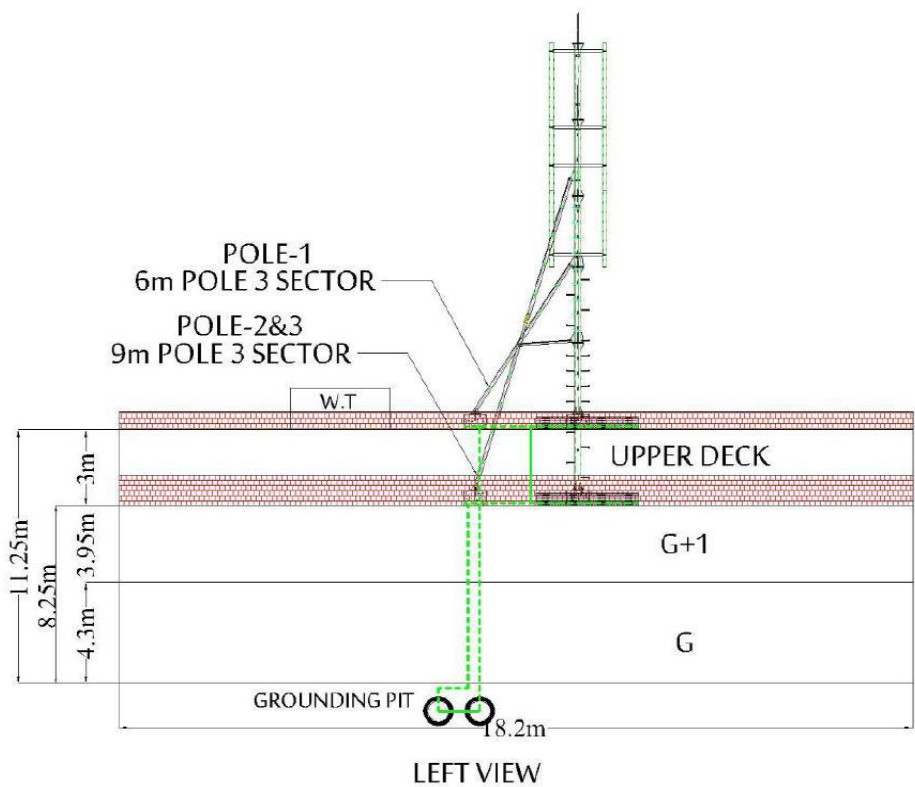
Project: Telenor Myanmar  
Site ID: AY1703  
Drawing: Situating Plan Drawing  
153 38-IPA 166 2000/AY1703 Uen

Geographical coordinates  
Long (E): 95 ° 39 ' 9.04 "  
Lat (N): 16 ° 43 ' 49.37 "



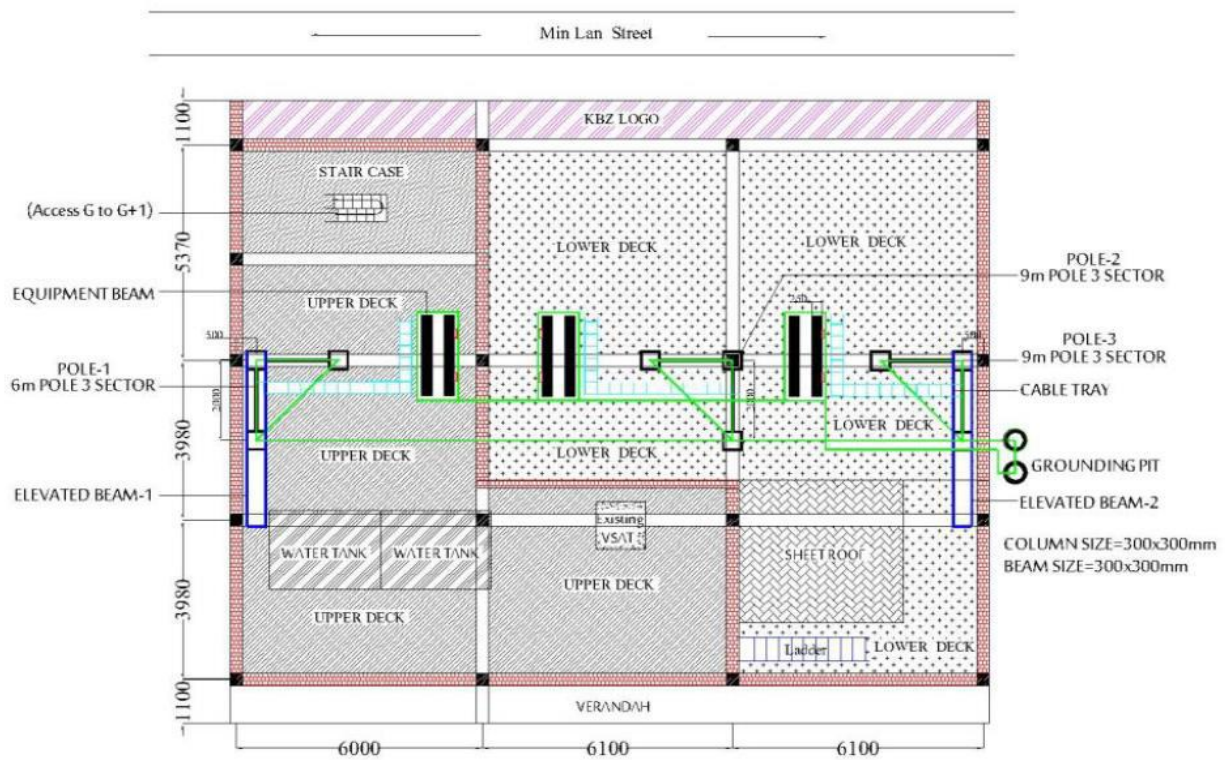
Project: Telenor Myanmar  
Site ID: AY1703  
Drawing: Antennas Placement Drawing  
153 12-IPA 166 2000/AY1703 Uen

Geographical coordinates  
Long (E): 95 ° 39 ' 9.04 "  
Lat (N): 16 ° 43 ' 49.37 "



Project: Telenor Myanmar  
Site ID: AY1703  
Drawing: Cable Way Drawing  
193 24-IPA 166 2000/AY1703 Uen

Geographical coordinates  
Long (E): 95 ° 39 ' 9.04 "  
Lat (N): 16 ° 43 ' 49.37 "





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1/127 11-IPA 166 2000/AY1703 Uen

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File

EMZ/Manoj Kumar

2019-01-17

A

SID\_AY1703\_A

Project Telenor Myanmar

Site: AY1703

No. WH No. DESCRIPTION QTY/ UNIT

## 1. DBS3900 EQUIPMENT

### 1.1 DBS3900 (GSM S3/3/3+WCDMA S3/3/3), 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 s	1 PCS
34060365	Optical Transceiver,eSFP,850nm,4.25G multi-rate,-9dBm--1.5dBm,-15dBm,	6 PCS
02311BPE	RRU3959 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,	6 PCS
02311GYV	RRU3959 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 Superflexii	12 PCS
04070012	Signal Cable,Shielded Straight Through Cable,10m,MP8-II,CC4P0.5GY(S),A	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,	186 M
27150086	Fixing clip, locked 3pcs optical cables and 3pcs power cables,1 board 6,Stai	31 PCS

## 2. ANTENNA SYSTEM

27010829-001	Directional Antenna,DXX-790-960/1710-2180-65/65-15i/17.5i-M/M,4*7/16 Di	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

ODC148301A06HE	TLM BDPC Outdoor Cabinet( Large) - TL 05	1 PCS
SP1148/3000HE	SP II Solar Converter 48/3000HE,	4 PCS
'UIFP48V100AH-1	Lithium Ion Battery 48V,100Ah	5 PCS

## 5. INSTALLATION MATERIALS

02231GJH	Embedded Environment Monitoring Unit	1 PCS
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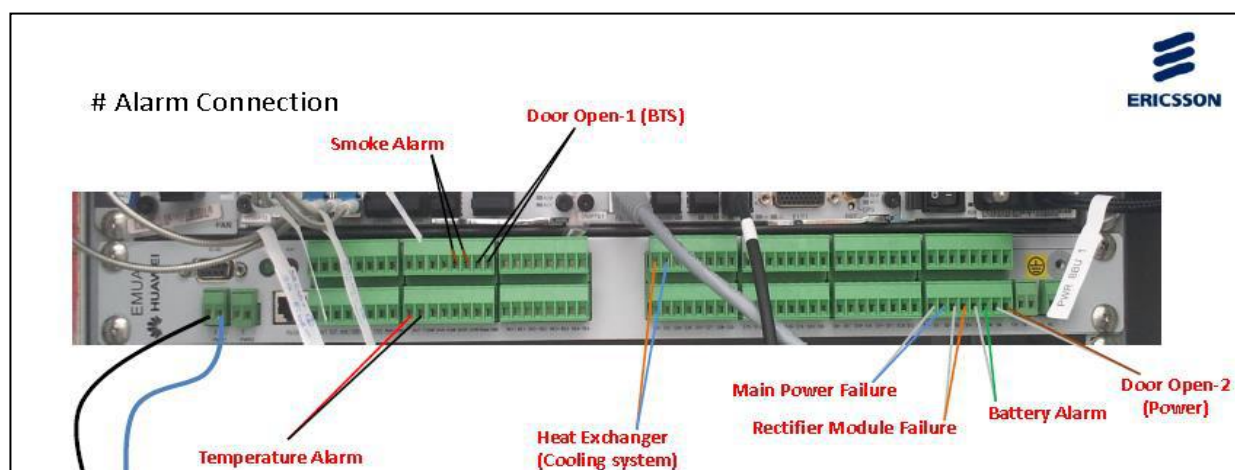
Prepared (also subject responsible if other) <b>EMZ/ EI EI KHINE</b>		Document No. 193 19-IPA 166 2000/AY1703 Uen		
Doc respons/Approved <b>EMZ/Manoj Kumar</b>	Checked	Date <b>2019-01-17</b>	Rev. <b>A</b>	File <b>SID_AY1703_A</b>

**Project:** Telenor Myanmar  
**Site:** AY1703

## ALLOCATION TABLE: ALARMS

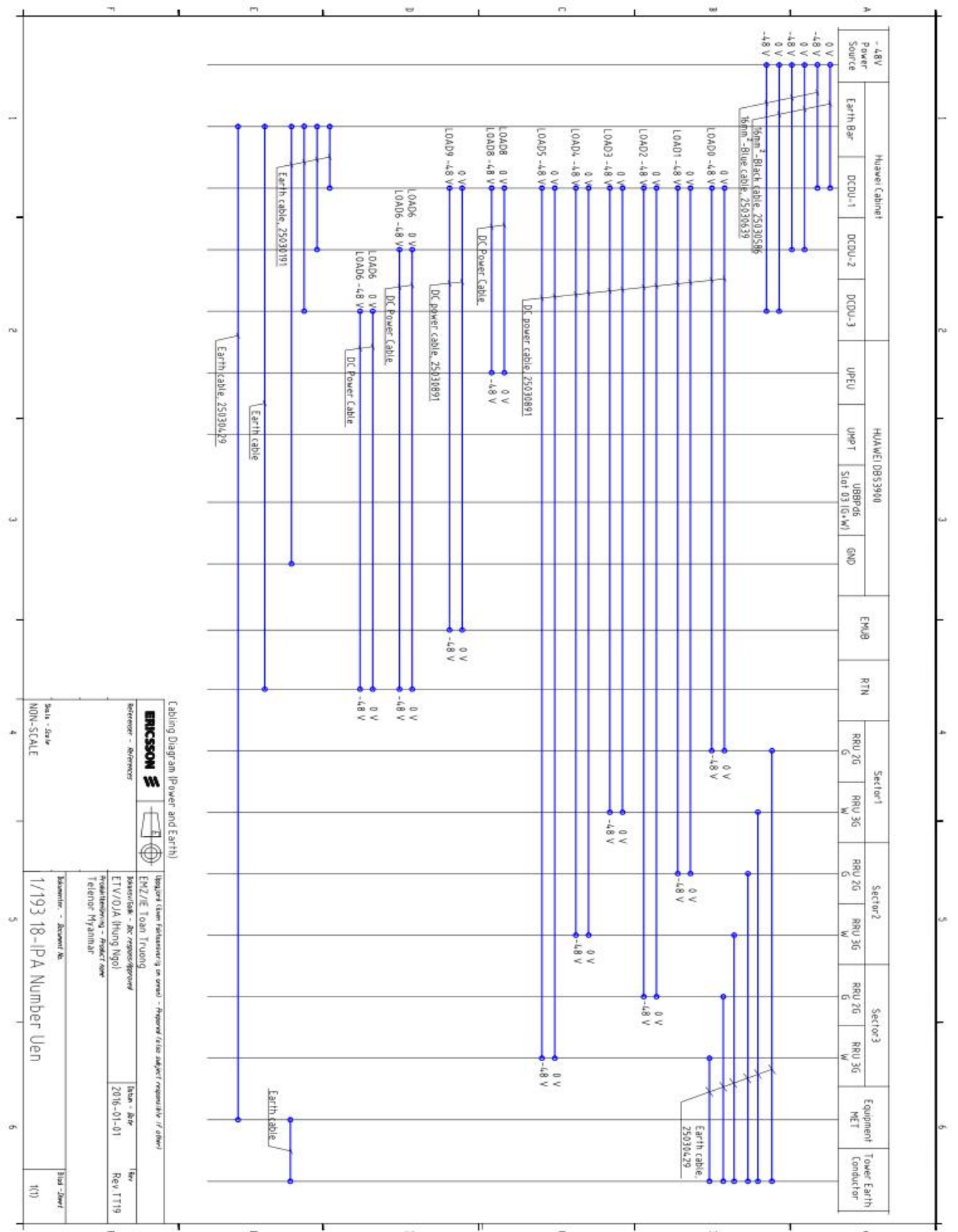
### 1. DBS3900 Temperature

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	



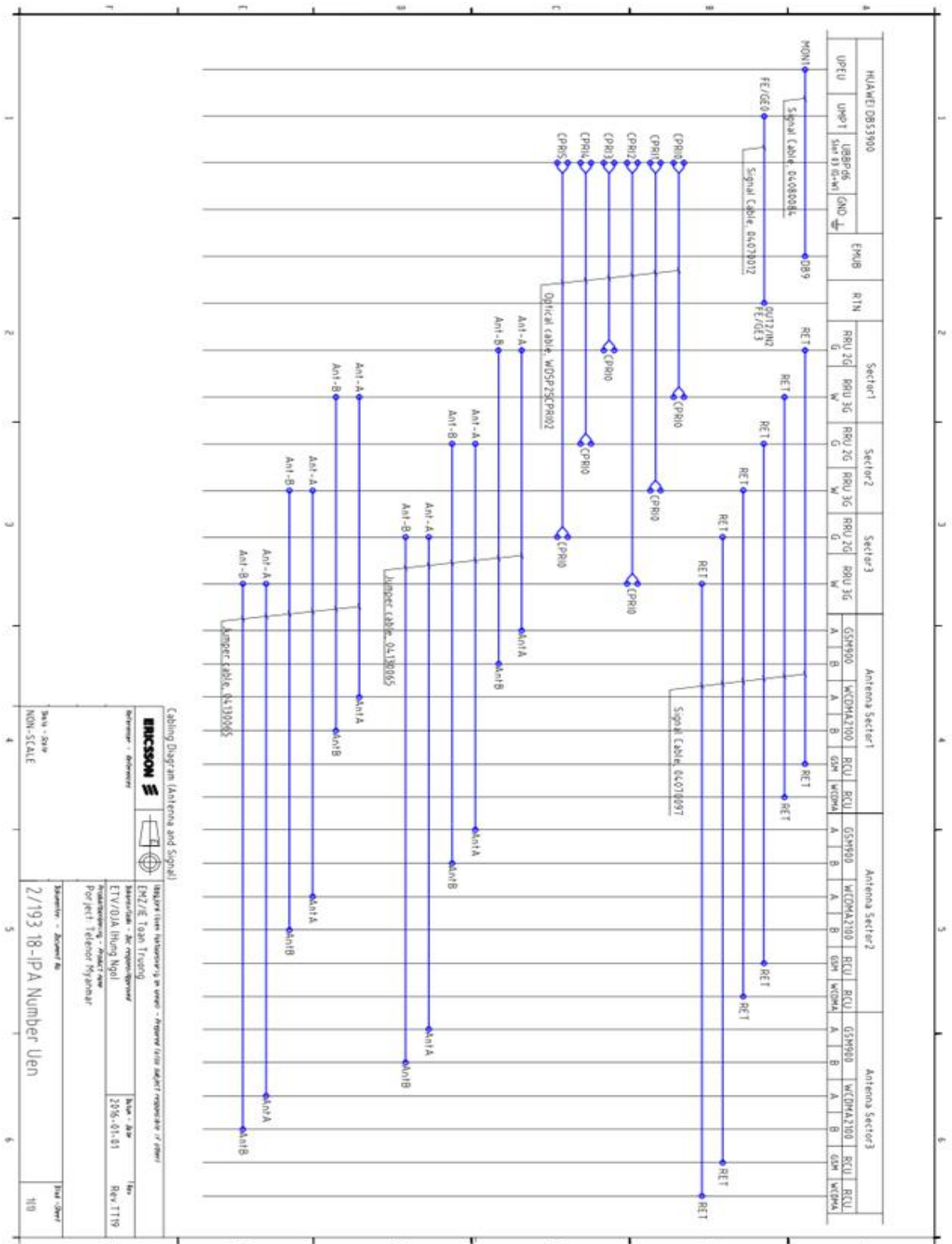
*Closing: the alarm cable is open when no alarms are present*  
*Breaking: the alarm cable is closed when no alarms are present*  
**\*\* Need to mark from site after alarm configuration**

**Geographical coordinates**  
**Long (E):** 95 ° 39 ' 9.04 "  
**Lat (N):** 16 ° 43 ' 49.37 "



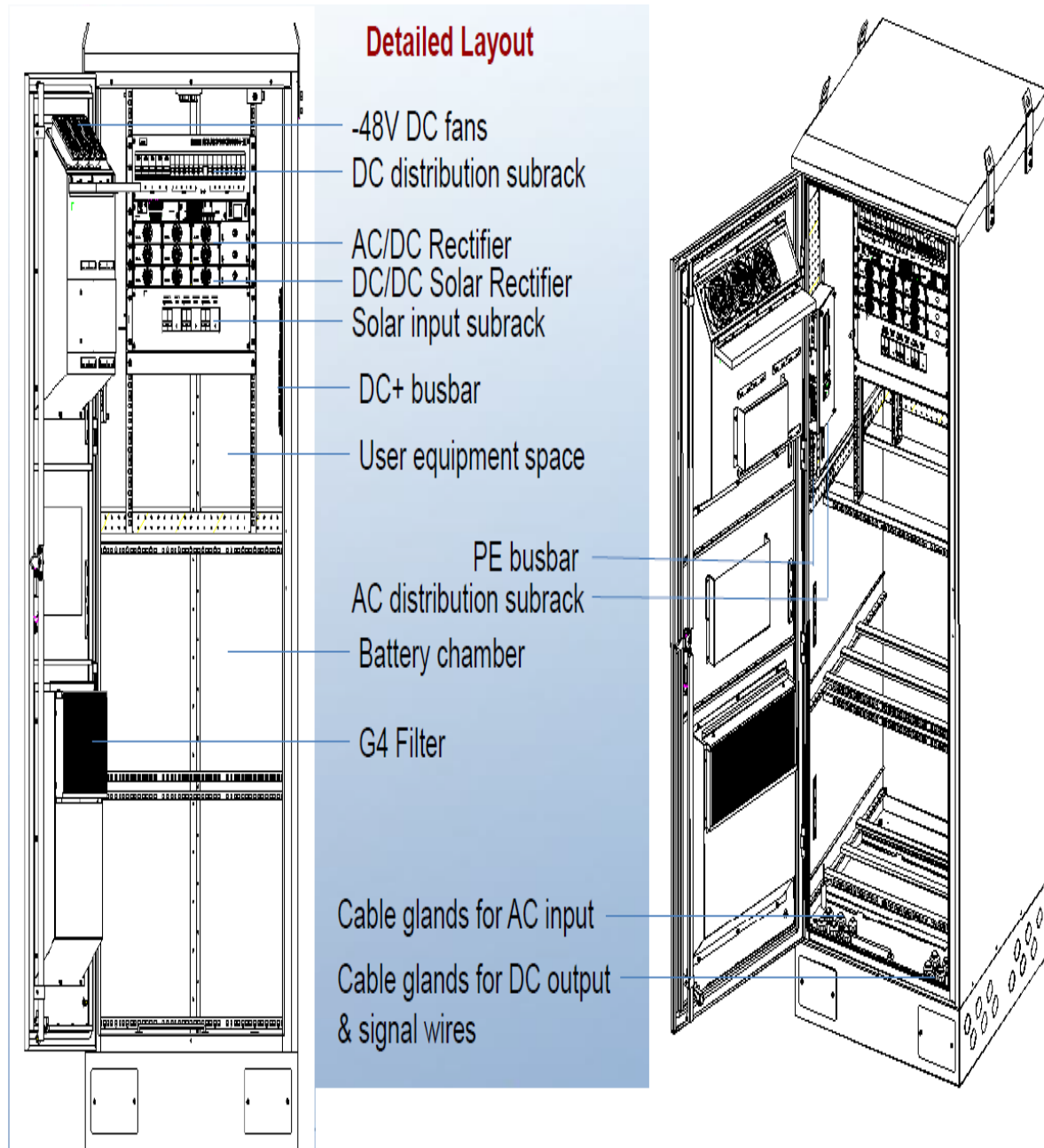
Project: Telenor Myanmar  
 Site ID: AY1703  
 Drawing: Cabling Diagram (Signal & Antenna)  
 2/193 18-IPA 166 2000/AY1703 Uen

Geographical coordinates  
 Long (E): 95 ° 39 ' 9.04 "  
 Lat (N): 16 ° 43 ' 49.37 "



**Project:** Telenor Myanmar  
**Site ID:** AY1703  
**Drawing:** Allocation Drawing Cabinet  
193 26-IPA 166 2000/AY1703 Uen

**Geographical coordinates**  
**Long (E):** 95 ° 39 ' 9.04 "  
**Lat (N):** 16 ° 43 ' 49.37 "



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Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-01-17	Rev. A	File SID_AY1703_A

**Project:** Telenor Myanmar  
**Site:** AY1703

## 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			

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Doc respons/Approved <b>EMZ/Manoj Kumar</b>	Checked	Date <b>2019-01-17</b>	Rev. <b>A</b>	File <b>SID_AY1703_A</b>

**Project:** Telenor Myanmar  
**Site:** AY1703

<b>D. ANTENNA SYSTEM - RADIO</b>	<b>OK</b>	<b>NOK</b>	<b>N/A</b>	<b>COMMENTS</b>
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			

<b>E. CONCLUDING ROUTINES</b>	<b>OK</b>	<b>NOK</b>	<b>N/A</b>	<b>COMMENTS</b>
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) <b>EMZ/ EI EI KHINE</b>		Document No. 176 27-IPA 166 2000/AY1703 Uen		
Doc respons/Approved <b>EMZ/Manoj Kumar</b>	Checked	Date 2019-01-17	Rev. A	File SID_AY1703_A

**Project:** Telenor Myanmar  
**Site:** AY1703

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:**


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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		NOK		
9	Site Safety Protection	OK			
10	Security Guard at site		NOK		

**OTHER MATTERS / ISSUES:**


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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 <b>EMZ/Manoj Kumar</b>	Checked	Date <b>2019-01-17</b>	Rev. <b>A</b>	File <b>SID_AY1703_A</b>

**Project:** Telenor Myanmar  
**Site:** AY1703

### Test Record for Site Installation Verification

Tester Name: <b>XXX</b>	Date: <b>XXX</b>
Site ID: <b>AY1703</b>	Site Name: <b>XXX</b>
RBS Type: <b>Huawie DBS3900</b>	Cell Configuration: <b>G900 - S3/3/3</b>

#### 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:

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<b>Accepted by (Telenor)</b>	<b>Responsible Engineer (Ericsson)</b>
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____

Prepared (also subject responsible if other) <b>EMZ/ EI EI KHINE</b>		Document No. 1/153 83-IPA 166 2000/AY1703 Uen		
Doc respons/Approved <b>EMZ/Manoj Kumar</b>	Checked	Date 2019-01-17	Rev. A	File SID_AY1703_A

**Project:** Telenor Myanmar  
**Site:** AY1703

### Test Record for Site Integration

Tester Name: <b>xxx</b>	Date: <b>xxx</b>
Site ID: <b>AY1703</b>	Site Name: <b>xxx</b>
RBS Type: <b>Huawie DBS3900</b>	Cell Configuration: <b>G900 - S3/3/3</b>

	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: _____

Prepared (also subject responsible if other) <b>EMZ/ EI EI KHINE</b>		Document No. 1/153 83-IPA 166 2000/AY1703 Uen		
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**Project:** Telenor Myanmar  
**Site:** AY1703

### Test Record for Site Hardware Status

Tester Name: <b>xxx</b>	Date: <b>xxx</b>
Site ID: <b>AY1703</b>	Site Name: <b>xxx</b>
RBS Type: <b>Huawie DBS3900</b>	Cell Configuration: <b>G900 - S3/3/3</b>

#### 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-790-960/1710-2180-65/65-15i/17.5i-M/M	ADU451503	Can't Read Serial Number
DXX-790-960/1710-2180-65/65-15i/17.5i-M/M	ADU451503	Can't Read Serial Number
DXX-790-960/1710-2180-65/65-15i/17.5i-M/M	ADU451503	1014600 07201

#### RBS Cabinet

Unit	Product number	Serial
RRU3959 sector A	02311BPE	Can't Read Serial Number
RRU3959 sector B	02311BPE	Can't Read Serial Number
RRU3959 sector C	02311BPE	Can't Read Serial Number

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 2000/AY1703 Uen		
Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-01-17	Rev. A	File SID_AY1703_A

**Project:** Telenor Myanmar  
**Site:** AY1703

### Test Record for Site Installation Verification

Tester Name: <b>XXX</b>	Date: <b>XXX</b>
Site ID: <b>AY1703</b>	Site Name:
RBS Type: <b>Huawie DBS3900</b>	Cell Configuration: <b>W2100 - S3/3/3</b>

#### 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:

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

Prepared (also subject responsible if other) <b>EMZ/ EI EI KHINE</b>		Document No. <b>2/153 83-IPA 166 2000/AY1703 Uen</b>	
Doc respons/Approved <b>EMZ/Manoj Kumar</b>	Checked	Date <b>2019-01-17</b>	Rev. <b>A</b> File <b>SID_AY1703_A</b>

**Project:** Telenor Myanmar  
**Site:** AY1703

### Test Record for Site Integration

Tester Name: <b>xxx</b>	Date: <b>xxx</b>
Site ID: <b>AY1703</b>	Site Name:
RBS Type: <b>Huawie DBS3900</b>	Cell Configuration: <b>W2100 - S3/3/3</b>

	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: \_\_\_\_\_

<b>Accepted by (Telenor)</b>  Signature: _____ Print Name: _____ Date: _____	<b>Responsible Engineer (Ericsson)</b>  Signature: _____ Print Name: _____ Date: _____
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Prepared (also subject responsible if other) <b>EMZ/ EI EI KHINE</b>		Document No. 2/153 83-IPA 166 2000/AY1703 Uen		
Doc respons/Approved <b>EMZ/Manoj Kumar</b>	Checked	Date 2019-01-17	Rev. A	File SID_AY1703_A

**Project:** Telenor Myanmar  
**Site:** AY1703

### Test Record for Site Integration

Tester Name: <b>XXX</b>	Date: <b>XXX</b>
Site ID: <b>AY1703</b>	Site Name:
RBS Type: <b>Huawie DBS3900</b>	Cell Configuration: <b>W2100 - S3/3/3</b>

#### 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-790-960/1710-2180-65/65-15i/17.5i-M/M	ADU451503	Can't Read Serial Number
DXX-790-960/1710-2180-65/65-15i/17.5i-M/M	ADU451503	Can't Read Serial Number
DXX-790-960/1710-2180-65/65-15i/17.5i-M/M	ADU451503	1014600 07201

#### RBS Cabinet

Unit	Product number	Serial
RRU3959 sector A	02311GYV	2102311GYV6TH1404724
RRU3959 sector B	02311GYV	2102311GYV6TH1404746
RRU3959 sector C	02311GYV	2102311GYV6TH1504658

Remarks: \_\_\_\_\_

<b>Accepted by (Telenor)</b>  Signature: _____ Print Name: _____ Date: _____	<b>Responsible Engineer (Ericsson)</b>  Signature: _____ Print Name: _____ Date: _____
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Doc respons/Approved <b>EMZ/Manoj Kumar</b>	Checked	Date <b>2019-01-17</b>	Rev. <b>A</b>	File <b>SID_AY1703_A</b>

**Project:** Telenor Myanmar  
**Site:** AY1703

**UNIT** **PRODUCT CODE** **REV** **SERIAL No.** **MFG.DATE**

#### DBS3900 GSM900 & WCDMA2100

BBU 3900 / BBU 3910	02319940 / 02310VTE	2102310WYGTB918897	
FANC / FANE	2120577 / 02311CHK	2102311CHK6THB914014	
UEIU	02315639	2102315639LUHB002165	
UPEUC / UPEUD2	2319897 / 02310SFM	2192310SFMUHB022384	
UMPTb1	..03054885	210305488510HC000841	
UBBPd6	03022HEM	022HEM10HB004421	
EMUB	02231GJH	2102310UWTCNH1001706	
RRU3959	02311BPE	Can't Read Serial Number	
RRU3959	02311BPE	Can't Read Serial Number	
RRU3959	02311BPE	Can't Read Serial Number	
RRU3959	02311GYV	2102311GYV6TH1404724	
RRU3959	02311GYV	2102311GYV6TH1404746	
RRU3959	02311GYV	2102311GYV6TH1504658	

#### ANTENNA

DXX-790-960/1710-2180-65/65-15i/17.5i-M/M	ADU451503	Can't Read Serial Number	
DXX-790-960/1710-2180-65/65-15i/17.5i-M/M	ADU451503	Can't Read Serial Number	
DXX-790-960/1710-2180-65/65-15i/17.5i-M/M	ADU451503	1014600 07201	

#### RET

RCU136,Agisson RET	27150136	HWB1918514791553TGQ	
RCU136,Agisson RET	27150136	HWB14871041415A03M7	
RCU136,Agisson RET	27150136	HWB3268358911542VC2	
RCU136,Agisson RET	27150136	HWB567952338155319H	
RCU136,Agisson RET	27150136	HWB56366256714B38R8	
RCU136,Agisson RET	27150136	HWB1659449331543Q6N	

#### CABINET

TLM BDPC Outdoor Cabinet( Large) - TL 05	ODC148301A06HEX	Not Have Serial Number	
Rectifier	SPII48/3000HE	Can't Read Serial Number	
Rectifier	SPII48/3000HE	Can't Read Serial Number	
Rectifier	SPII48/3000HE	Can't Read Serial Number	
Rectifier	SPII48/3000HE	Can't Read Serial Number	
UIFP48V100AH-1	Lithium Ion Battery 48V	4810018J250129	
UIFP48V100AH-1	Lithium Ion Battery 48V	4810018J250128	
UIFP48V100AH-1	Lithium Ion Battery 48V	4810018J250127	
UIFP48V100AH-1	Lithium Ion Battery 48V	4810018J250130	



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Project: Telenor Myanmar

Site: AY1703

Site Location



Tower View



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Project: **Telenor Myanmar**Site: **AY1703**

Vertical Cable Ladder (From Top of Tower)



Horizontal Cable Ladder



Vertical Cable Ladder (From Bottom of Tower)



Grounding RRU Power Cable (At Bottom)





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Doc respons/Approved	Checked	Date	Rev.	File
EMZ/Manoj Kumar		2019-01-17	A	SID_AY1703_A

Project: **Telenor Myanmar**Site: **AY1703**

Antenna Cell A



Antenna Cell B



Antenna Cell C



RCU Cell A



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EMZ/ EI EI KHINE		PHT-09:0001-IPA 166 2000/AY1703 Uen		
Doc respons/Approved	Checked	Date	Rev.	File
EMZ/Manoj Kumar		2019-01-17	A	SID_AY1703_A

Project: **Telenor Myanmar**  
 Site: **AY1703**

**RCU Cell B**



**RCU Cell C**



**RRU 2G Cell A**



**RRU 2G Cell B**





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Doc respons/Approved	Checked	Date	Rev.	File
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Project: **Telenor Myanmar**Site: **AY1703**

RRU 2G Cell C



Earth Bar for RRU 2G



RRU 3G Cell A



RRU 3G Cell B



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Project: **Telenor Myanmar**

Site: **AY1703**

**RRU 3G Cell C**



**Cabinet (Close)**



**Earth Bar for RRU 3G**



**Cabinet (Open)**





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Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-01-17	Rev. A	File SID_AY1703_A

Project: **Telenor Myanmar**  
Site: **AY1703**

**BBU 3900**



External Alarm Connection (With Clear Label)



**DCDU**



Cable Inlet Indoor





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Doc respons/Approved EMZ/Manoj Kumar	Checked	Date 2019-01-17	Rev. A	File SID_AY1703_A

Project: Telenor Myanmar

Site: AY1703

AC Power Cable At Telecom Cabinet



AC Power Cable At AC Box



Main Earth Bar In Cabinet



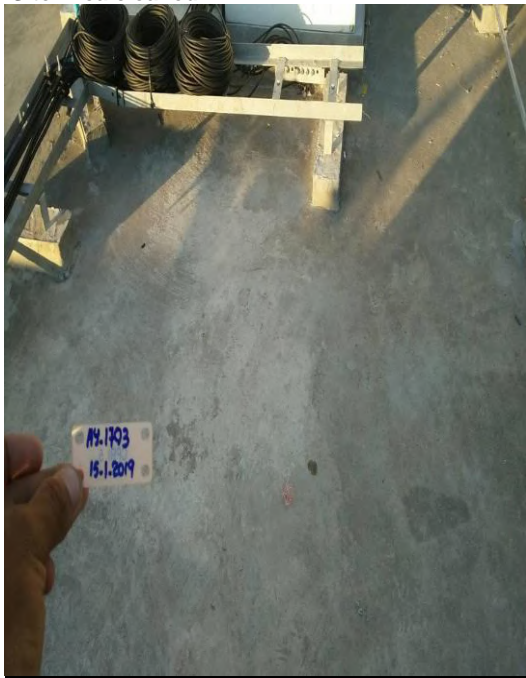
Main Earth Bar For Cabinet



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Project: **Telenor Myanmar**  
 Site: **AY1703**

**Site Area cleaned**



**Site Area cleaned**



Prepared (also subject responsible if other) <b>EMZ/ EI EI KHINE</b>		Document No. <b>179 61-IPA 166 2000/AY1703 Uen</b>		
Doc respons/Approved <b>EMZ/Manoj Kumar</b>	Checked	Date <b>2019-01-17</b>	Rev. <b>A</b>	File <b>SID_AY1703_A</b>

**Project:** **Telenor Myanmar**  
**Site:** **AY1703**

## NETWORK ELEMENT ACCEPTANCE CERTIFICATE

This is to certify that Ericsson Radio Systems AB has delivered, installed and tested the Network Elements on site **AY1703** 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 166 2000/AY1703 Uen rev A  
2/153 83-IPA 166 2000/AY1703 Uen rev A

**For Telenor**  
(The Buyer)

**For Ericsson**  
(The Vendor)

Signature: .....

Signature: .....

Name: .....

Name: .....

Date: .....

Date: .....