SITE SURVEY REPORT
Ericsson

1. GENERAL INFORMATION

Site name:	**CERDAC**	
Site number (code):	**BA408**	
Site address (city;street;no.; building; entrance):	**Loc. CERDAC JUDET BACAU**	
Site area:	**C BACAU**	
Site survey team:	**Mira Telecom**	
Checked by:		
Date of site survey:	**30.04.2018**	
Type of Site (urban, rooftop):	**Rural Tower**	
Lesser:	**-**	
Contact Person:	**-**	

Other Remarks:	

2. ROOFTOP (Building information)

GPS coordinates:	**N …….° ……..' ……,……"** **E …….° ……..' ……,……"**
Building height:	**…… m**

Existent tripod:	Yes ☐ NO☐
Total height:	……. m
Use of crane for materials transportation:	Yes ☐ NO☐

Other Remarks:	

3. GREEN FIELD (Specific data information)

GPS coordinates:	N46°14' 30,54" E 26° 31'38,73"
Tower:	Yes ☒ NO☐
Tower type:	☒Heavy Cosmosite tower – 30m (or more) ☐ Polygonal Monopol – 30m (or more) ☐Monopole lattice tower-30m ☐Guyed tower on shelter-20m
Antenna Metallic Structure:	New "H" Yes ☐ NO☒ Upgrade existing "H" Yes ☐ NO☒ Atypical Structure Yes ☐ NO☒
RRU Metallic Structure:	New RRU Support Yes ☐ NO☒ Atypical Structure Yes ☐ NO☒
Mini - shelter require:	Yes ☐ NO☒
Mini – shelter frame standard adaptor solution:	Yes ☐ NO☒
In case Non Standard Mini-shelter frame solution, dimensions are requested:	N/A
Non standard mini - shelter frame profile	N/A
RRU to Antenna/Combiner Jumper length (type: DIN7/16 Male –N Male):	2x2m 4x4m
Antenna to Combiner -> Jumper length (type: DIN7/16 Male – DIN7/16 Male):	6x2m
FO cable length between BB to RRU	3x20m
DC cable length between PP to RRU	3x20m
Type and length of DC power for RRU Cu 2x6 mm² (L<30m):	-2X6 mm²/3x20m
Type and length of DC power for RRU Cu 2X10 mm² if needed(30m<L<60m):	Type ……. / ……. m
Type and length of DC power for RRU Cu 2X16 mm² if needed(60m<L<90m):	
Type and length of DC power for RRU Cu 2X25 mm² if needed(L>90m):	-
Combo Box required:	Yes ☐ NO☒ ; Length of cable: …… m
Connection patch length from CB to RRU (FO&DC)	M …….
Outdoor CB existing breakers type	16A☒ 25A☐Oth.☐ …A spec
PDU existing breakers availability (63A in PP)	Yes ☐ NO☒
DC cable length from PP to new PDU	……. m
PP Type / producer plus picture on the bottom	

4. EXISTING CONTRACT & CHANGES

Indoor space requires contract change	Yes ☐	No ☒	

Outdoor space requires contract change	Yes ☐	No ☒	
Cable routing requires contract change	Yes ☐	No ☒	
Power cabling requires contract change	Yes ☐	No ☒	
Indoor space requires studies & license change	Yes ☐	No ☒	
Outdoor space requires studies & license change	Yes ☐	No ☒	
Cable routing requires studies & license change	Yes ☐	No ☒	
Power cabling requires studies & license change	Yes ☐	No ☒	

Other Remarks:	

5. POWER SUPPLY INFORMATION

Power availability:	YES					
Voltage-measurements (PLC display):	L1(V)		L2(V)		L3(V)	
Amperage-measurements (PLC display, without A/C):	I1(A)		I2(A)		I3(A)	
Amperage-measurements (PLC display, with A/C):	I1(A)		I2(A)		I3(A)	
Outdoor mini shelter: 32A available breaker in LDB (5x6 mm² AC Cable)	N/A					
1X16A available breakers in indoor Power System	YES					
1X32A available breakers in indoor Power System	NO					
2X63A available breakers in indoor Power System	NO					
Power counter exist:	YES					
Main AC board exist:	YES					
Breaker value in BMPT:	N/A					
Surge arrestors existence:	YES					
Type and length of power connection cable for BBU	Cu 2x6mm²-3m					
Type and length of power connection shielded cable Al 6X25 mm² if needed:	-					
Type and length of power connection shielded cable Al 6X35 mm² if needed:	-					
Type and length of AC power connection cable 5X6 mm² for mini shelter if needed:	-					
Type and length of DC power from PSU to PDU Al 2x35 mm² if needed:	-					
CB/PDU/2 Sections (if needed):	-					
CB/PDU/3 Sections (if needed):	-					
PDU indoor (if needed):	No					
Boards grounding - secured:	Yes					
Boards waterproofed:	Yes					

Other Remarks:	-In rack 19" existent in MINISHELTER se vainstala 1XMU nou -MU nou se va alimenta de pe o siguranta de 16A existenta in PDU -3xRRU-noi se vor alimenta de pe Sigurante l noi de 25A

6. POWER PLANTand BATTERY INFORMATION

Number of units	☒	Unit 2 ☐
Type	300A ☒ 600A ☐ Other ☐	300A ☐ 600A ☐ Other ☐
Nr./capacity[A] of rectifier modules	2	
DC Load Amperage(displayed) [A]		
Battery capacity [Ah]		
Battery type/number		

Other Remarks:	

7.AIR CONDITIONING INFORMATION

Temperature [°C]	Internal:	External:
Number of units	Unit 1 ☒	Unit 2 ☐
Type	Free Cooling ☐	Free Cooling ☐

	Duct ☒ Split☐	Duct ☐ Split☐
Technical specifications from external unit label		
Cooling capacity [BTU]	9.000☒ 12.000☐ 18.000 ☐ 24.000 ☐ Other ☐	9.000☐ 12.000☐ 18.000 ☐ 24.000 ☐ Other ☐
Start meter	Compressor: Evap. Fan: Heather:	Compressor: Evap. Fan: Heather:
Work time meter [h]	Compressor: Evap. Fan: Heather:	Compressor: Evap. Fan: Heather:
Alarms outputs	Very high temp ☐ Very low temp ☐	Very high temp ☐ Very low temp ☐

Other Remarks:	

8.NEW INSTALLATION INFORMATION

Common: number of buss with free holes	Yes
Common: Available space on the existing cable tray	Yes
Indoor equipment: Existing space for ILP mounting	Yes
Indoor equipment: Existing space for Radio Indoor equipment mounting	N/a
Indoor equipment: Existing space for Indoor Concentrator equipment mounting	N/a
Indoor equipment: Existing space for DC PDU mounting	N/a
Indoor equipment: Available holes in FIMO	N/a
Outdoor equipment: Existing space on the existing base frame for mini shelter mounting	N/a
Outdoor equipment: Existing outdoor transmission cabinet	N/a
Outdoor equipment: Existing space for outdoor Concentrator mounting (proposal)	Yes
Outdoor equipment: Existing space for RRU mounting (proposal)	Yes

Other Remarks:	-

9. EXISTING TELECOM EQUIPMENT & INFRASTRUCTURE

a. General information

Equipment type:	Indoor ☒	Outdoor ☐	
Number of RF antennas:	3		
Number of MW links	1		
Nr. of existing RBS cabinets	2xRBS 6601		
MW existing RL cabinet	Indoor ☒	Outdoor ☐	
Power cabinet exist (BBS):	Yes ☒	No ☐	
Existing cable ladder availability:	Yes ☒	No ☐	
Existing cable entry availability:	Yes ☒	No ☐	
Air condition existence & operation	Yes ☒	No ☐	

Grounding protection existence:	Yes ☒	No ☐	
Lightning protection existence:	Yes ☒	No ☐	
Installation of RF & IF cables requires special machinery (e.g. crane)	Yes ☐	No ☒	

b. Existing Masts

	Height	Length	poles/mast	Cell_id on the mast	installation readiness
1					
2					
3					
4					

c. Existing Antenna Poles

	Height	Length	Cell_id	Corner/Tower	Obstacles	installation readiness
1	27m	3m	U,A		no	yes
2	27m	3m	V,B		no	yes
3	27m	3m	W,C		no	yes
4						
5						
6						

d. Existing MW Poles

	Height	Length	Hop id	Corner/Tower	Far end	Obstacles	installation readiness
1							
2							
3							
4							

Remarks:	

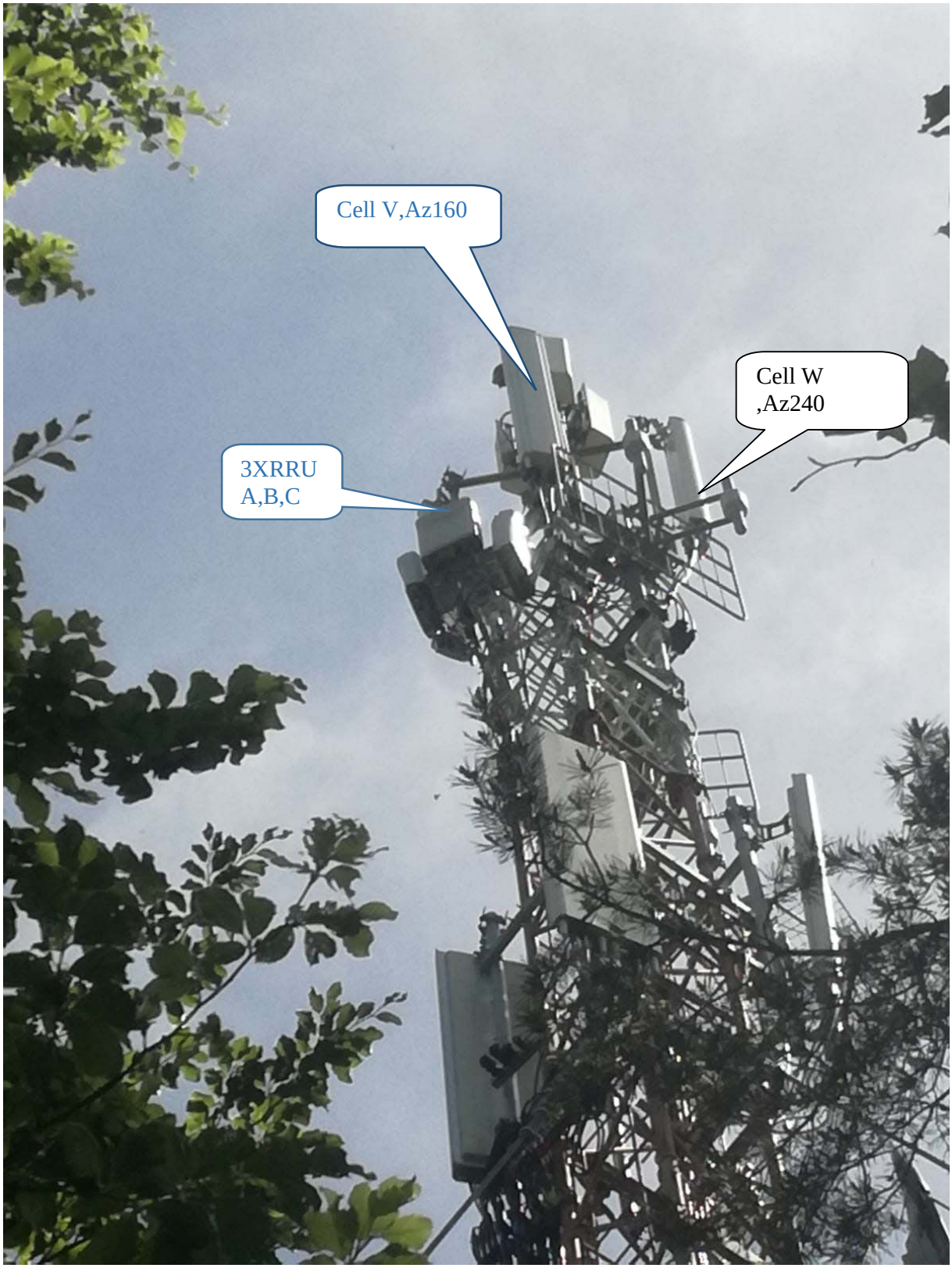
10. ANALYSIS LOADING DATA

LOAD TYPE	DIAMETER (mm)	POSITION (m)	NUMBER
M/W LINK			
M/W LINK			
M/W LINK			
M/W LINK			
M/W LINK			
M/W LINK			

11. EXISTING LAYOUT(S):

G ENERAL VIEW OF STRUCTURE


Cell
U,Az70
3XRRU
A,B,C


Cell V,Az160
Cell W
,Az240
3XRRU
A,B,C


MW -uri

CW INFORMATION
Indoor

Cable tray

12. PROPOSED INFRASTRUCTURE & EQUIPMENT SOLUTION

a. Indoor cabinets

Dimensions of existing room:	3x4m
Space availability for indoor equipment:	yes
C	N/A
Shelter needed:	N/A
Shelter concrete base needed:	N/A
Space availability for new shelter positioning:	N/A
AC power extension/change:	N/A
Main grounding bus bar existence:	Yes
Water proofing of the room needs restoration:	No
Internal Lighting restoration:	No
Wall painting needed:	No
Antistatic floor addition:	No
Fire alarm system expansion:	No
Air Conditioning (A/C) expansion/replacement:	No
Nr./capacity[A] of rectifier modules	
Security Lights board:	N/A
Plastic trays for cables expansion :	N/A
Internal ladder for the feeders availability:	N/A
Cable entry expansion:	N/A
Other Remarks:	

b. Outdoor cabinets

New metal base needed:	
Dimensions of new metal base:	
Secure of metal base on floor:	
Grounding of base/Earthing for equipments:	
AC power supply availability:	
Needed properly holes on base:	
Clearances around cabinets:	
Other Remarks:	

c. Proposed New Masts

	Height	Length	poles/mast	Cell_id on the mast	Position
1					
2					
3					
4					

d. New Antenna Poles

	Height	Length	Cell_id	Corner/Tower	Obstacles	installation readiness
1						
2						
3						
4						

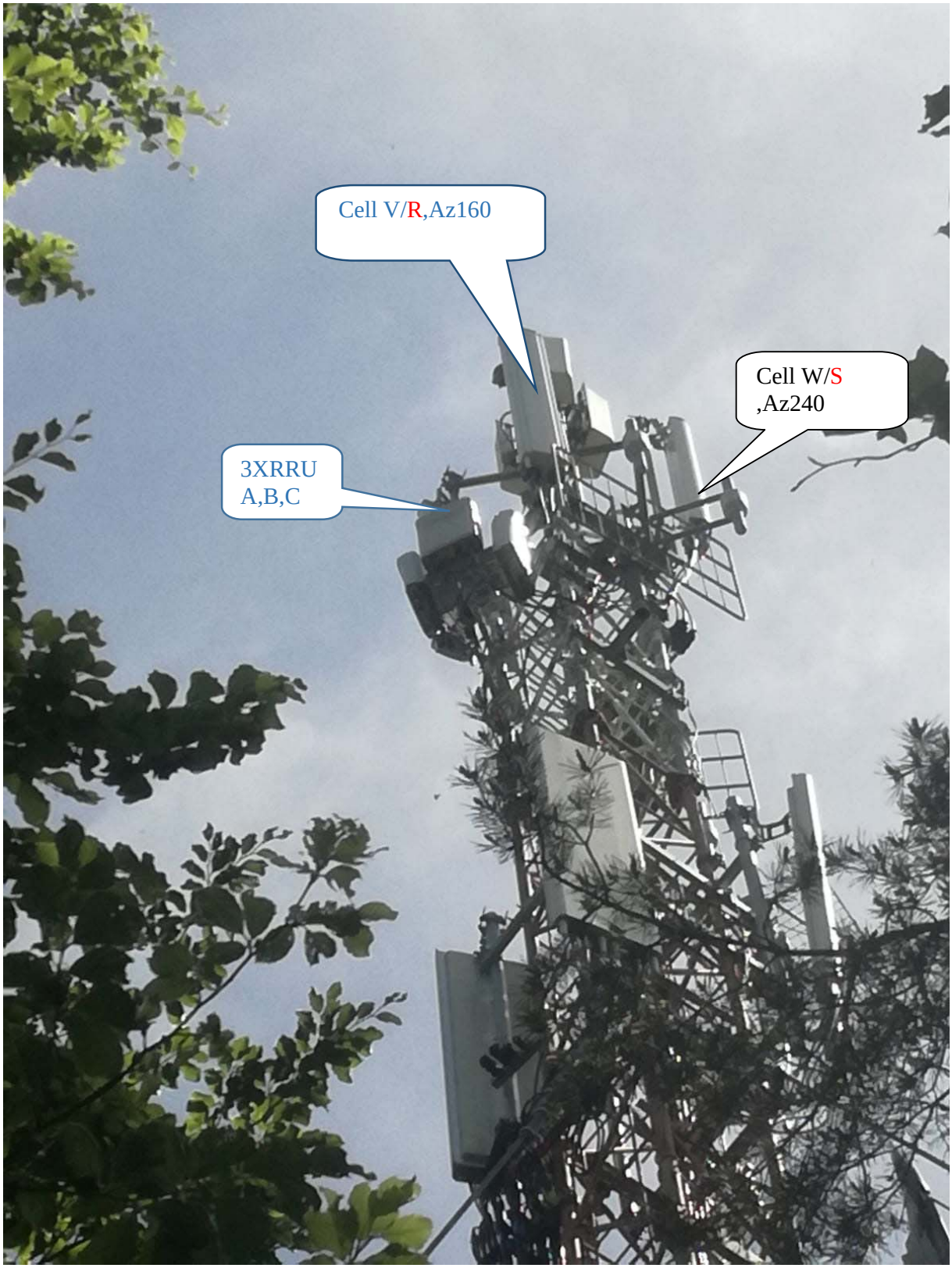
e. New MW Poles

	Height	Length	Hop id	Corner/Tower	Far end	Obstacles	installation readiness
1							
2							
3							

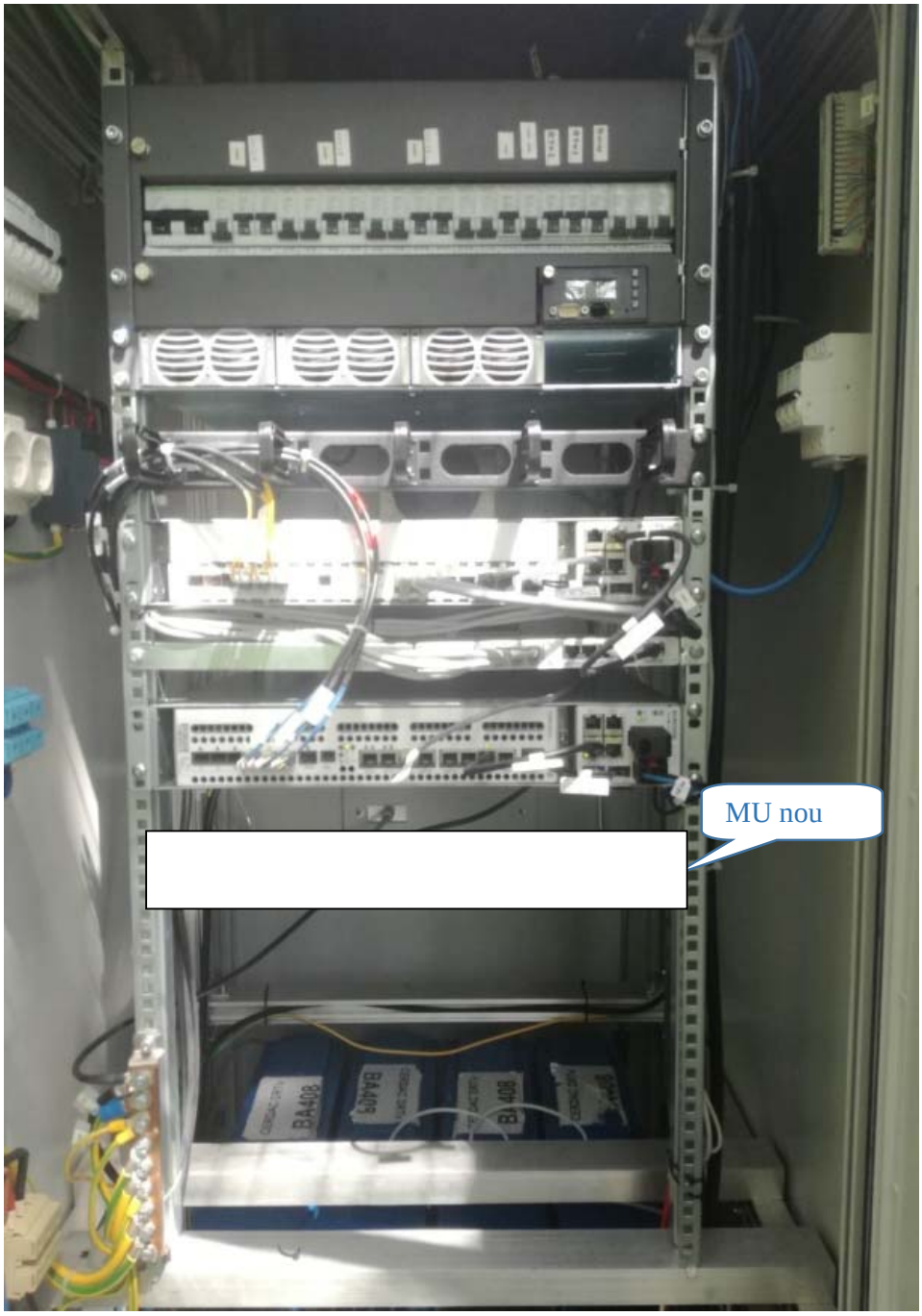
Proposed corrective works:	**Reconfigurarea siteului BX408 CERDAC sa include urmatoarele elemente:** **-se vor pastra cele 3 antene RF;se monteaza 3XRRU LA BAZA PILONULUI LINGA CELE DE GSM900 PE ACELASi SUPORT** **NECESAR REORGANIZAREA RRU-URILOR PE SUPORT de unde se vor conecta prin combainere antenele** **-se vainstala 3x RRU 800 pe support EXISTENT** **-impamantarea RRU-ului se va lega la impamantarea existenta print-un conductor de cupru de 16mm** **-RRU-urile noi se vor alimenta din shelter la sigurante de 25A NOI** **-in rack PDH sub PDU se vainstala un MU nou care se va alimenta de pe 1xsig. de 16A existent in PDU** **Cablurinoi:** **-3 x FO 10m** **-3 X DC Cu 6mm/ 10m** **-S1 2X jumpers 2m, 2X jumpers 6m** **-S2 2X jumpers 2m, 2X jumpers 6m** **-S3 2X jumpers 2m,2x jumpers 6m**

13. PROPOSED SOLUTION LAYOUT(S): PICTURES AND COMMENTS:


Cell
U/Q,Az70
3XRRU
A,B,C


Cell V/R,Az160
Cell W/S
,Az240
3XRRU
A,B,C


RRU Sector Q,R,S pe suport nou la baza tunului.
NECESAR REORGANIZAR E SUPORT


MU nou