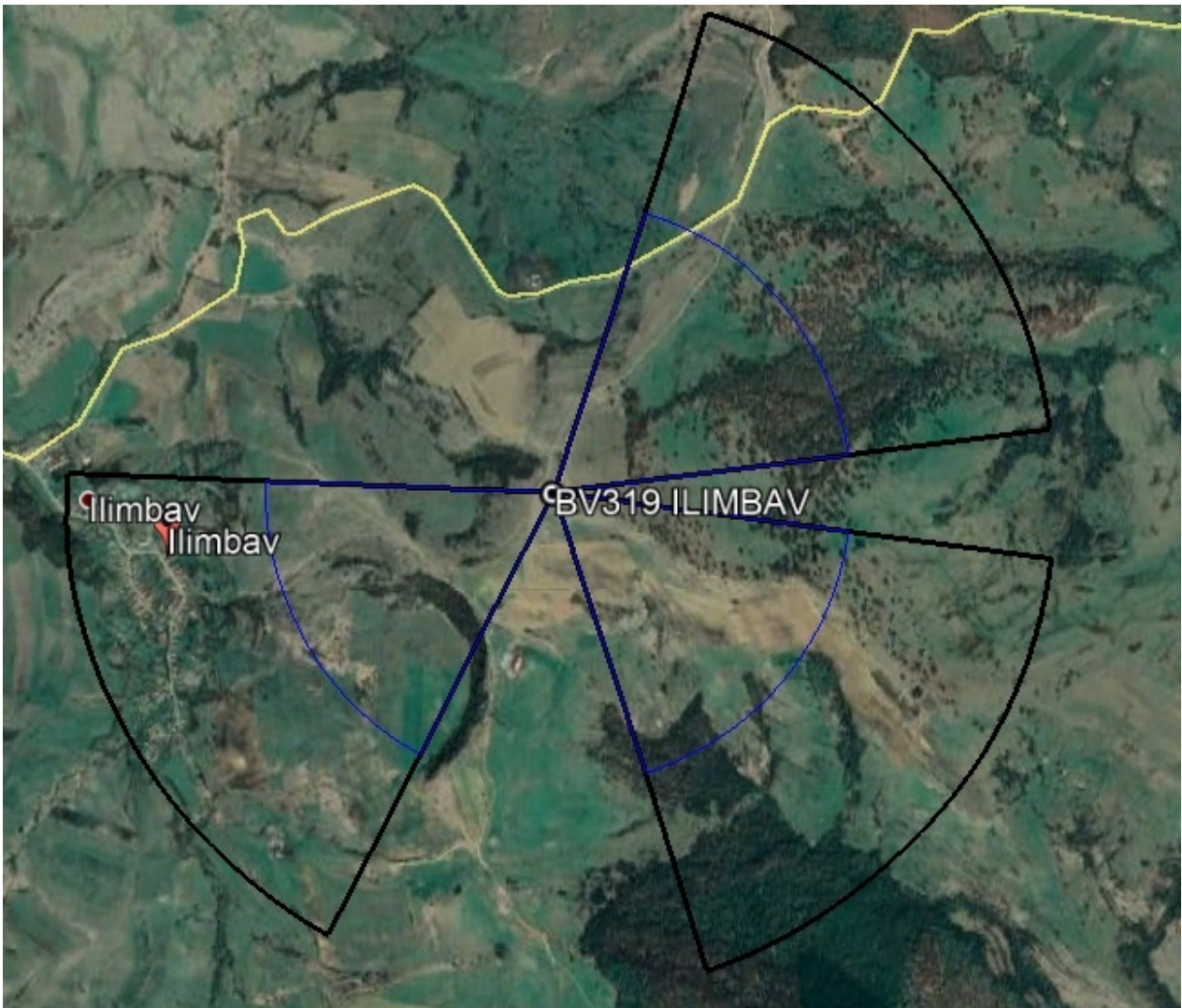




# SITE SURVEY REPORT Ericsson

## 1. GENERAL INFORMATION

Site name:	ILIMBAV	
Site number (code):	BX39	
Site address (city;street;no.; building; entrance):	Loc. ILIMBAV Judet SIBIU	
Site area:	C SIBIU	
Site survey team:	Mira Telecom	
Checked by:		
Date of site survey:	19.06.2018	
Type of Site (urban, rooftop):	Rural Tower	
Lesser:	-	
Contact Person:	-	





Other Remarks:	
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**2. ROOFTOP (Building information)**

GPS coordinates:	N .....° ..... ' ....."
	E .....° ..... ' ....."
Building height:	..... m
Existent tripod:	Yes <input type="checkbox"/> NO <input type="checkbox"/>
Total height:	..... m
Use of crane for materials transportation:	Yes <input type="checkbox"/> NO <input type="checkbox"/>

Other Remarks:	
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**3. GREEN FIELD (Specific data information)**

GPS coordinates:	N45°52' 11.49"
	E 24° 32'50.75"
Tower:	Yes <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Tower type:	<input checked="" type="checkbox"/> Heavy Cosmosite tower – 30m (or more) <input type="checkbox"/> Polygonal Monopol – 30m (or more) <input type="checkbox"/> Monopole lattice tower-30m <input type="checkbox"/> Guyed tower on shelter-20m
Antenna Metallic Structure:	New "H" Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/> Upgrade existing "H" Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/> Atypical Structure Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/>
RRU Metallic Structure:	New RRU Support Yes <input checked="" type="checkbox"/> NO <input type="checkbox"/> Atypical Structure Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Mini - shelter require:	Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Mini – shelter frame standard adaptor solution:	Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/>
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	3x70m
DC cable length between PP to RRU	3x70m
Type and length of DC power for RRU Cu 2x6 mm <sup>2</sup> (L<30m):	-
Type and length of DC power for RRU Cu 2X10 mm <sup>2</sup> if needed(30m<L<60m):	Type ..... / ..... m
Type and length of DC power for RRU Cu 2X16 mm <sup>2</sup> if needed(60m<L<90m):	Type Cu 2X16 mm <sup>2</sup> /3x70m
Type and length of DC power for RRU Cu 2X25 mm <sup>2</sup> if	



needed(L>90m):	-
Combo Box required:	Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/> ; Length of cable: ..... m
Connection patch length from CB to RRU (FO&DC)	M .....
Outdoor CB existing breakers type	16A <input checked="" type="checkbox"/> 25A <input type="checkbox"/> Oth. <input type="checkbox"/> ...A spec
PDU existing breakers availability (63A in PP)	Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/>
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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Outdoor space requires contract change	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Cable routing requires contract change	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Power cabling requires contract change	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Indoor space requires studies & license change	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Outdoor space requires studies & license change	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Cable routing requires studies & license change	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Power cabling requires studies & license change	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

Other Remarks:	
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**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 mm <sup>2</sup> 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 2x6mm <sup>2</sup> -3m
Type and length of power connection shielded cable AI 6X25 mm <sup>2</sup> if needed:	-
Type and length of power connection shielded cable AI 6X35 mm <sup>2</sup> if needed:	-
Type and length of AC power connection cable 5X6 mm <sup>2</sup> for mini shelter if needed:	-
Type and length of DC power from PSU to PDU AI 2x35 mm <sup>2</sup> 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 shelter se va instala 1XMU nou -MU nou se va alimenta de pe o siguranta de 16A din PDU nou instalat -RRU-urile noi se vor alimenta de pe sigurante de 25 A din PDU nou instalat
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**6. POWER PLANT and BATTERY INFORMATION**

Number of units	<input checked="" type="checkbox"/>	Unit 2 <input type="checkbox"/>
Type	300A <input type="checkbox"/> <input checked="" type="checkbox"/> 600A <input type="checkbox"/> Other <input type="checkbox"/>	300A <input type="checkbox"/> 600A <input type="checkbox"/> Other <input type="checkbox"/>
Nr./capacity[A] of rectifier modules	2	



DC Load Amperage(displayed) [A]		
Battery capacity [Ah]		
Battery type/number		

Other Remarks:	
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**7.AIR CONDITIONING INFORMATION**

Temperature [°C]	Internal:	External:
Number of units	Unit 1 <input checked="" type="checkbox"/>	Unit 2 <input type="checkbox"/>
Type	Free Cooling <input type="checkbox"/> Duct <input checked="" type="checkbox"/> Split <input type="checkbox"/>	Free Cooling <input type="checkbox"/> Duct <input type="checkbox"/> Split <input type="checkbox"/>
Technical specifications from external unit label		
Cooling capacity [BTU]	9.000 <input type="checkbox"/> 12.000 <input type="checkbox"/> 18.000 <input checked="" type="checkbox"/> 24.000 <input type="checkbox"/> Other <input type="checkbox"/>	9.000 <input type="checkbox"/> 12.000 <input type="checkbox"/> 18.000 <input type="checkbox"/> 24.000 <input type="checkbox"/> Other <input type="checkbox"/>
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 <input type="checkbox"/> Very low temp <input type="checkbox"/>	Very high temp <input type="checkbox"/> Very low temp <input type="checkbox"/>

Other Remarks:	
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**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:	-
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9. EXISTING TELECOM EQUIPMENT & INFRASTRUCTURE

a. General information

Equipment type:	Indoor <input checked="" type="checkbox"/>	Outdoor <input type="checkbox"/>
Number of RF antennas:	3	
Number of MW links	6	
Nr. of existing RBS cabinets	1xRBS ericsson	
MW existing RL cabinet	Indoor <input checked="" type="checkbox"/>	Outdoor <input type="checkbox"/>
Power cabinet exist (BBS):	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Existing cable ladder availability:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Existing cable entry availability:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Air condition existence & operation	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Grounding protection existence:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Lightning protection existence:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Installation of RF & IF cables requires special machinery (e.g. crane)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

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	47m	3m	U		no	yes
2	47m	3m	V		no	yes
3	47m	3m	W		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:	
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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):

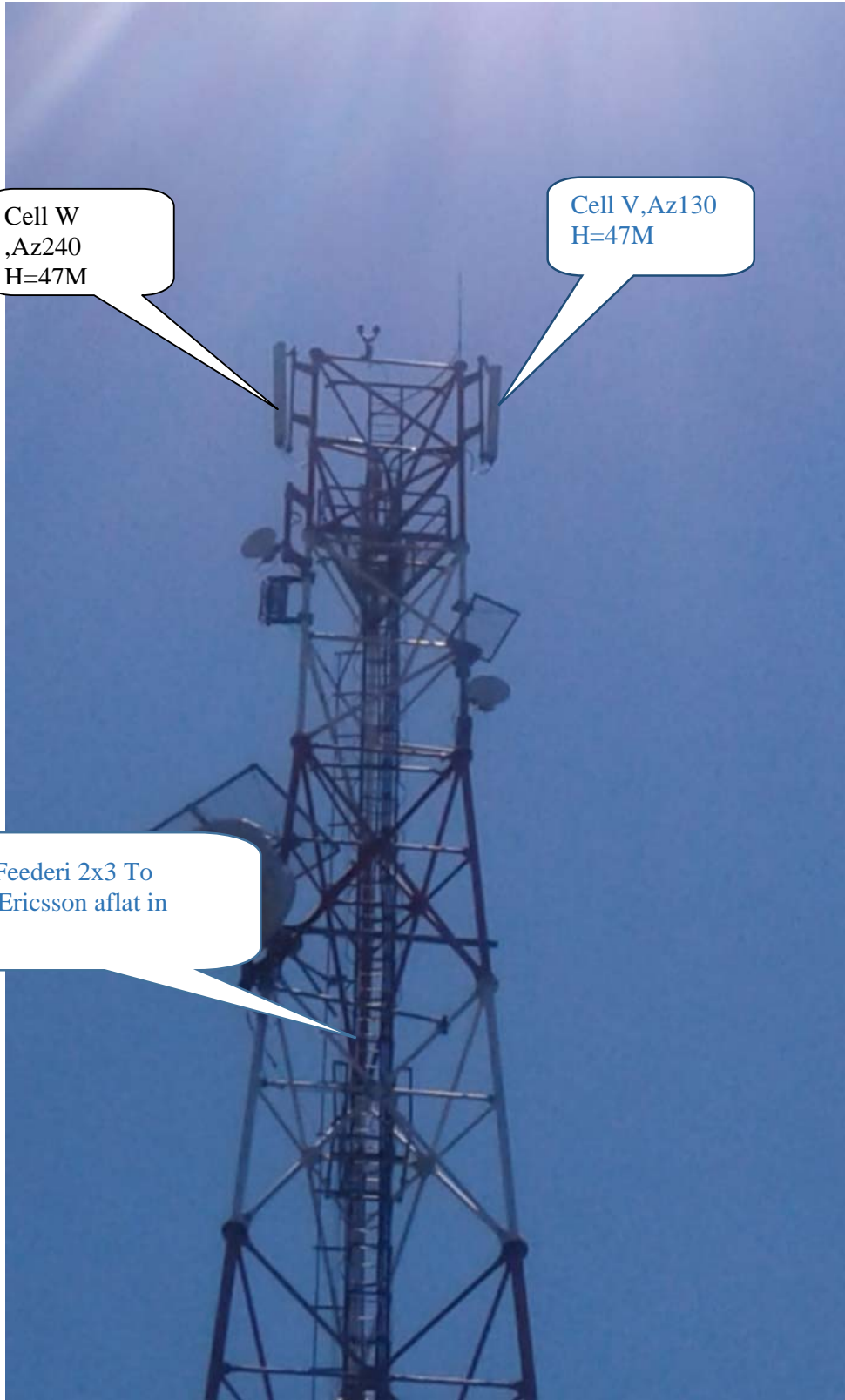
GENERAL VIEW OF STRUCTURE





RADIO INFORMATION

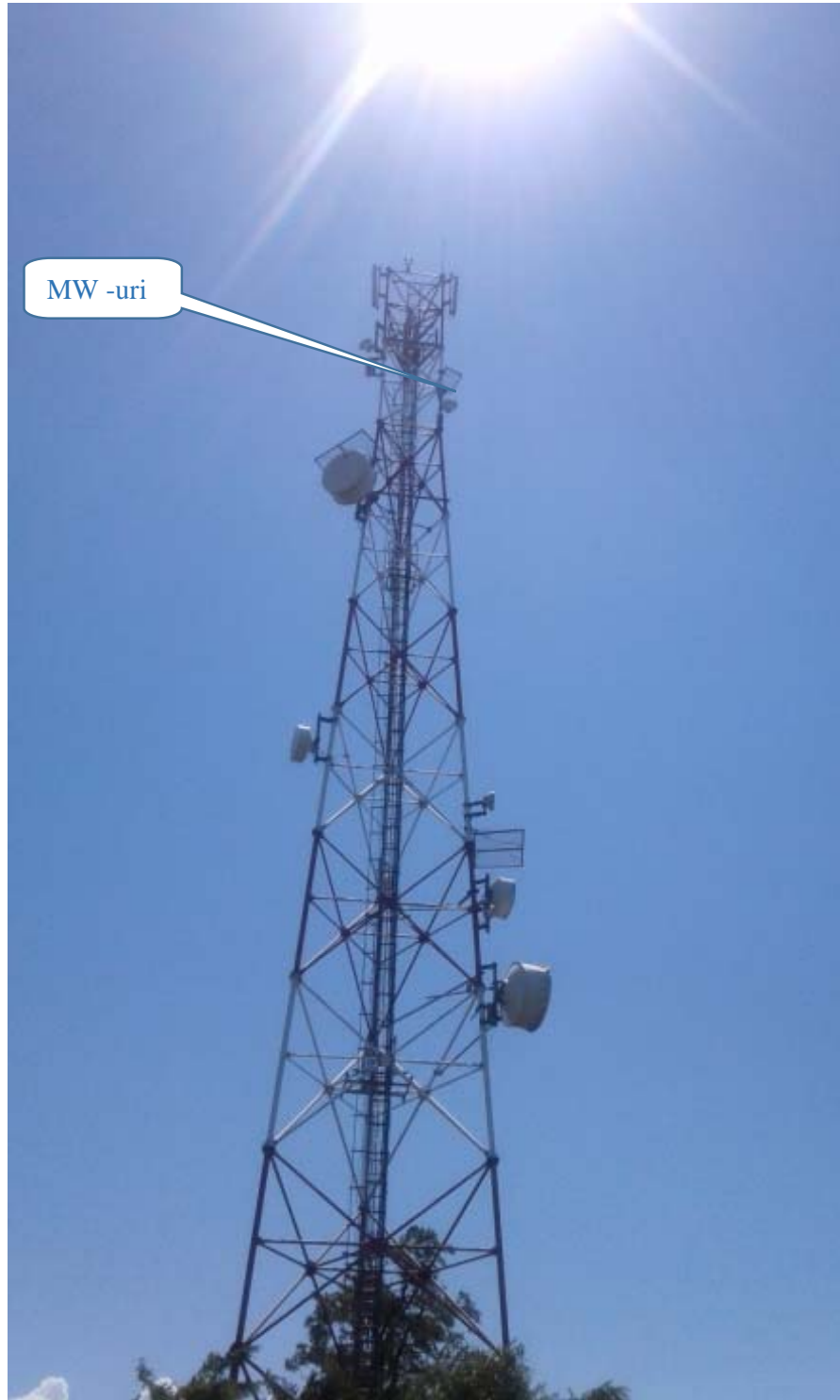




Cell W  
,Az240  
H=47M

Cell V,Az130  
H=47M

Traseu Feederi 2x3 To  
cabinet Ericsson aflat in  
Shelter







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:	<p>Reconfigurarea siteului BX319 Ilimbav sa include urmatoarele elemente:</p> <ul style="list-style-type: none"> <li>-se vor inlocui antenele existente cu antene dualband</li> <li>-se va instala 3x RRU LTEnoi pe 3xGF1 noi amplasati la ultima platforma</li> <li>-impamantarea RRU-ului se va lega la impamantarea existenta print-un conductor de cupru de 16mm</li> <li>-RRU-urile noi se vor alimenta din shelter la sigurante de 25A din PDU nou</li> <li>-in rack PDH sub PDU se va instala un PDU nou care se va alimenta din sunlight de pe doua sigurante de 64A (se vor inlocui doua existente) un MU nou care se va alimenta de pe 1x sig. de 16A existent in PDU</li> </ul> <p>Cabluri noi:</p>
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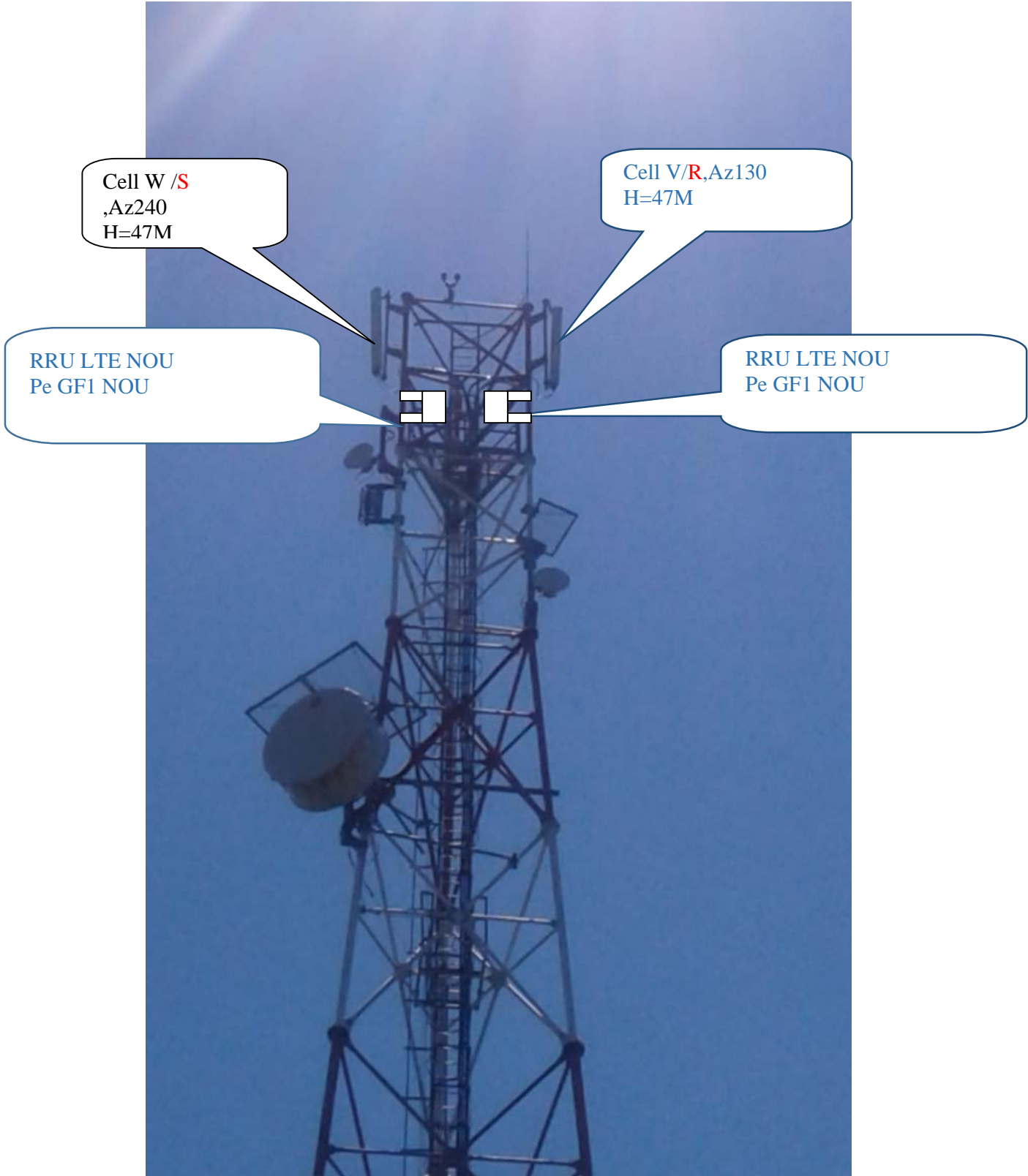
	<p>-3 x FO 70m -3 X DC Cu 16mm/70m</p>
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13. PROPOSED SOLUTION LAYOUT(S): PICTURES AND COMMENTS:



Cell U/Q,  
Az50. H=47m  
Ant. Dualband noua

RRU LTE NOU  
Pe GF1 NOU





PDU NOU

RBS 6601  
NOU