



SITE SURVEY REPORT Ericsson

1. GENERAL INFORMATION

Site name:	POSAGA_RTC
Site number (code):	CJ783
Site address (city;street;no.; building; entrance):	Extravilan Posaga, Jud.ALBA
Site area:	ALBA
Site survey team:	ATS
Checked by:	Luca Valentin
Date of site survey:	10.01.2018
Type of Site (urban, rooftop):	Greenfield
Lesser:	-
Contact Person:	-



Other Remarks:	<p>Nu exista chei pentru acest site(intrebat COM Cluj, Deva, Sibiu).</p> <p>Usa de intrare in site este scoasa din balamale.</p> <p>BMPT Telekom pericol de scurtcircuit. Existe urme de rozatoare in interiorul lui.</p> <p>Presetupele sunt neizolate.</p> <p>Vegetatie abundenta. Pericol de intalnire cu animale periculoase (lupi, ursi).</p> <p>Drumul este din pamant pe toate lungimea lui si in caz de vreme nefavorabila (ploaie sau ninsoare) nu se poate ajunge deloc la site (animale periculoase – lupi,ursi).</p> <p>Necesar 4x4 pentru a ajunge la site pe vreme favorabila.</p>
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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 checked="" type="checkbox"/>

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

GPS coordinates:	N 46° 27' 26.8" E 23° 24' 59.9"
Tower:	Yes <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Tower type:	<input checked="" type="checkbox"/> Heavy lattice tower – 40m <input type="checkbox"/> Polygonal Monopole – 30m (or more) <input type="checkbox"/> Monopole lattice tower-30m <input type="checkbox"/> Guyed tower on shelter-30m
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 type="checkbox"/> NO <input checked="" type="checkbox"/> Atypical Structure Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Mini - shelter require:	Yes <input checked="" type="checkbox"/> NO <input 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):	6x2m;
Antenna to Combiner -> Jumper length (type: DIN7/16 Male – DIN7/16 Male):	N/A
FO cable length between BB to RRU	3x50m
DC cable length between PP to RRU	3x50m
Type and length of DC power for RRU Cu 2x6 mm ² (L<30m):	-
Type and length of DC power for RRU Cu 2X10 mm ² if needed(30m<L<60m):	Type Cu 2x10mm ² / 3x50m
Type and length of DC power for RRU Cu 2X16 mm ² if needed(60m<L<90m):	-
Type and length of DC power for RRU Cu 2X25 mm ² 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)	-
Outdoor CB existing breakers type	16A <input type="checkbox"/> 25A <input type="checkbox"/> Oth. <input type="checkbox"/> 32A
PDU existing breakers availability (63A in PP)	Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/>
DC cable length from PP to new PDU	N/A
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	
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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 mm ² AC Cable)	N/A
1X16A available breakers in indoor Power System	N/A
1X32A available breakers in indoor Power System	N/A
2X63A available breakers in indoor Power System	N/A
Power counter exist:	N/A
Main AC board exist:	N/A
Breaker value in BMPT:	N/A
Surge arrestors existence:	Yes
Type and length of power connection cable for BBU	Cu 2x2.5mm ² - 5m
Type and length of power connection shielded cable Al 6X25 mm ² if needed:	N/A
Type and length of power connection shielded cable Al 6X35 mm ² if needed:	N/A
Type and length of AC power connection cable 5X6 mm ² for mini shelter if needed:	N/A
Type and length of DC power from PSU to PDU Al 2x35 mm ² if needed:	N/A
CB/PDU/2 Sections (if needed):	N/A
CB/PDU/3 Sections (if needed):	N/A
PDU indoor (if needed):	N/A
Boards grounding - secured:	YES
Boards waterproofed:	YES

Other Remarks:

6. POWER PLANT and BATTERY INFORMATION

	Unit 1	Unit 2
Number of units	<input type="checkbox"/>	<input type="checkbox"/>
Type	300A <input 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	-	-
DC Load Amperage(displayed) [A]	-	-
Battery capacity [Ah]	-	-
Battery type/number	-	-

Other Remarks:

7. AIR CONDITIONING INFORMATION

	Internal: -	External:-
Temperature [°C]		
Number of units	Unit 1 <input type="checkbox"/>	Unit 2 <input type="checkbox"/>
Type	Free Cooling <input type="checkbox"/> Duct <input 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 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	N/A
Common: Available space on the existing cable tray	YES
Indoor equipment: Existing space for ILP mounting	N/A
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	YES
Outdoor equipment: Existing outdoor transmission cabinet	YES
Outdoor equipment: Existing space for outdoor Concentrator mounting (proposal)	N/A
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 type="checkbox"/>	Outdoor <input checked="" type="checkbox"/>	Minishelter
Number of RF antennas:	3		
Number of MW links	2		
Nr. of existing RBS cabinets	0		
MW existing RL cabinet	Indoor <input type="checkbox"/>	Outdoor <input checked="" type="checkbox"/>	Minishelter
Power cabinet exist (BBS):	Yes <input type="checkbox"/>	No <input checked="" 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	40.0m	1x3m	RFU		No	Yes
2	40.0m	1x3m	RF V/H		No	Yes
3	40.0m	1x3m	RF W/I		No	Yes
4						
5						

d. Existing MW Poles

	Height	Length	Hop id	Corner/Tower	Far end	Obstacles	installation readiness
1	+26.0m	1m					
2	+20.0m	1m					
3							
4							
5							
6							

Remarks:	
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10. ANALYSIS LOADING DATA

LOAD TYPE	DIAMETER (mm)	POSITION (m)	NUMBER
M/W LINK	600	+26.0m	
M/W LINK	600	+20.0m	
M/W LINK			
M/W LINK			
M/W LINK			
M/W LINK			



11. EXISTING LAYOUT(S):
GENERAL VIEW OF STRUCTURE



















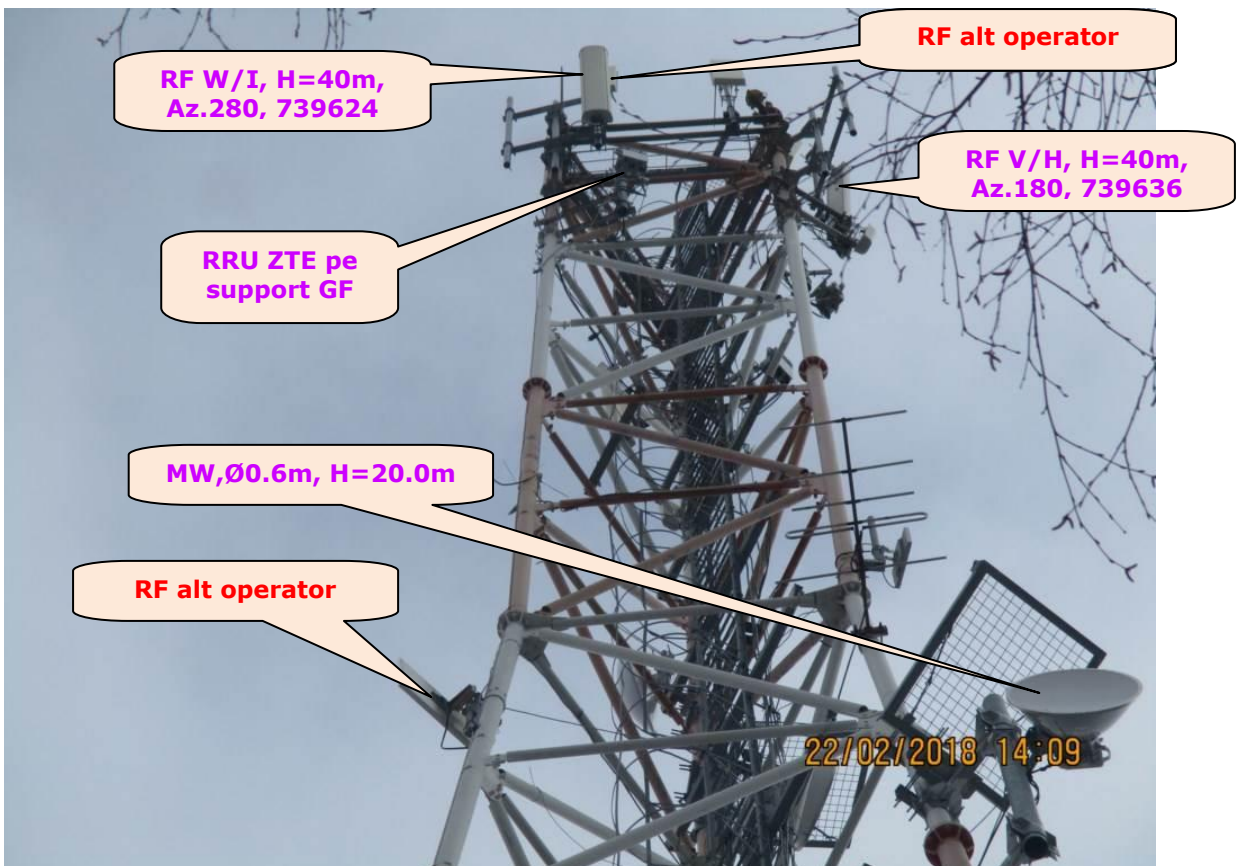


DRUM DE ACCES I (in caz de vreme nefavorabila nu se poate ajunge la site cu masina)





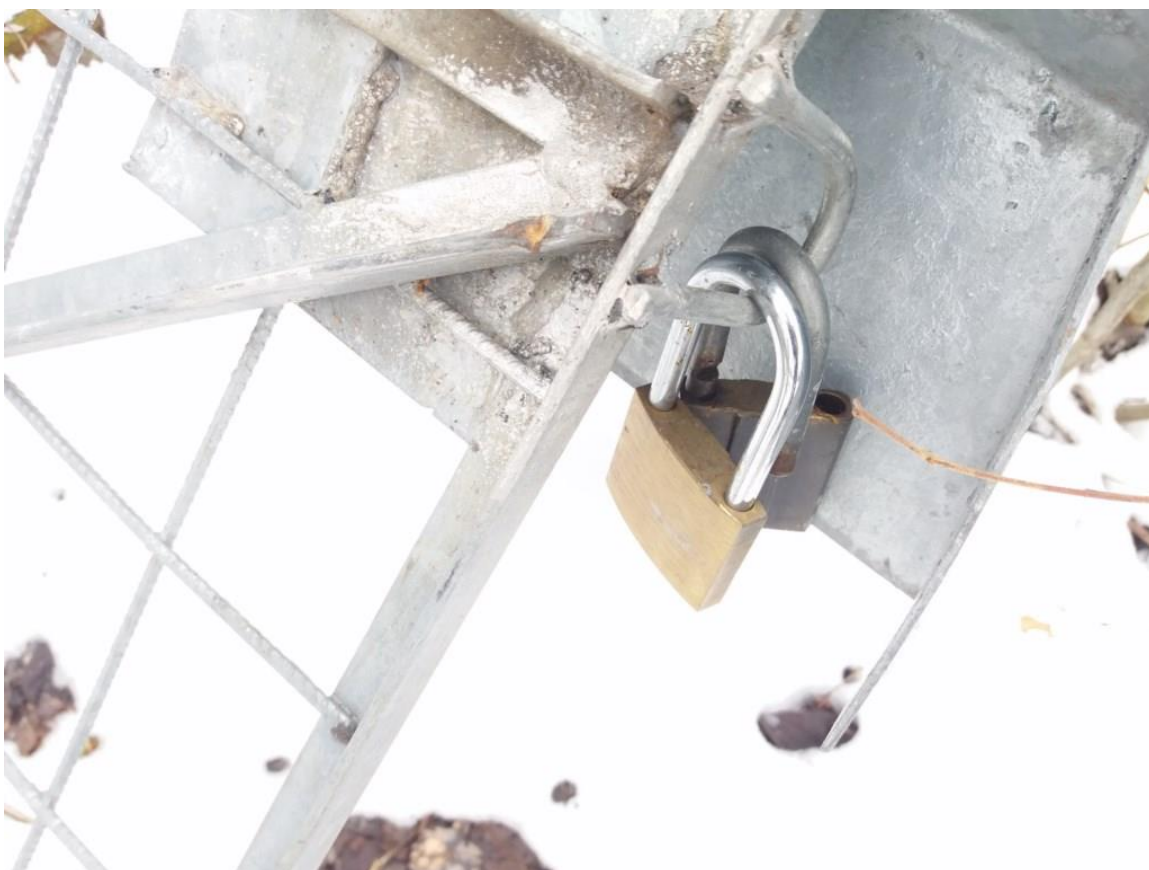
RADIO INFORMATION







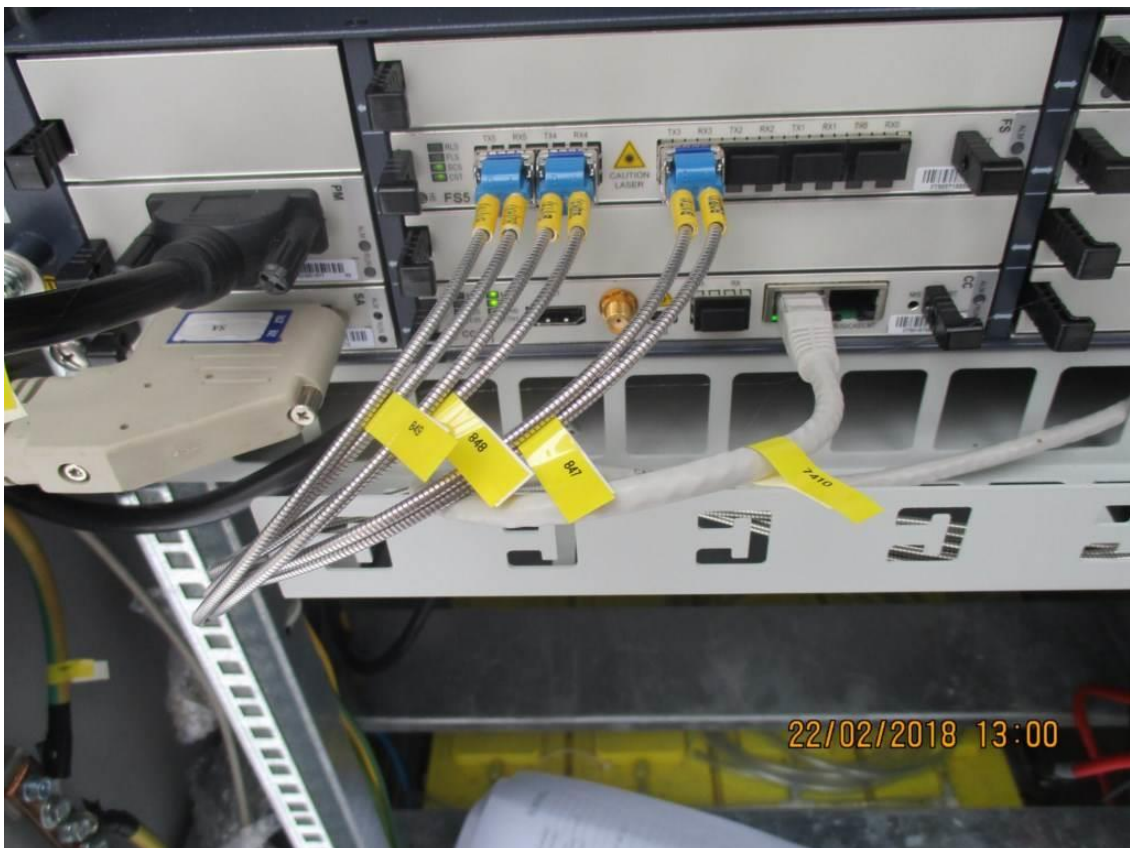


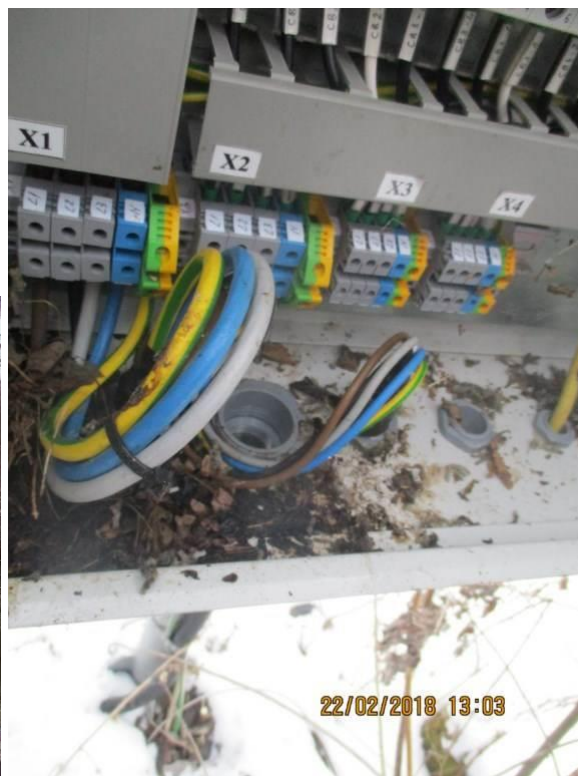




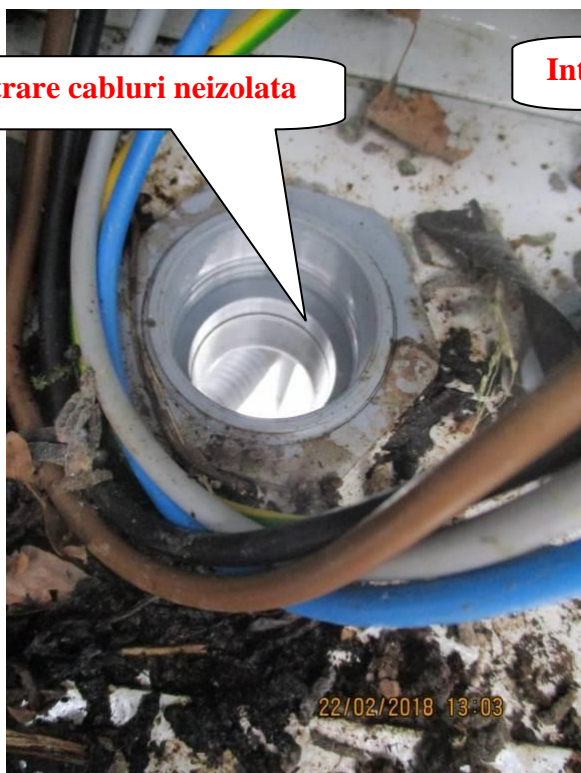
Modernization Telekom Mobile





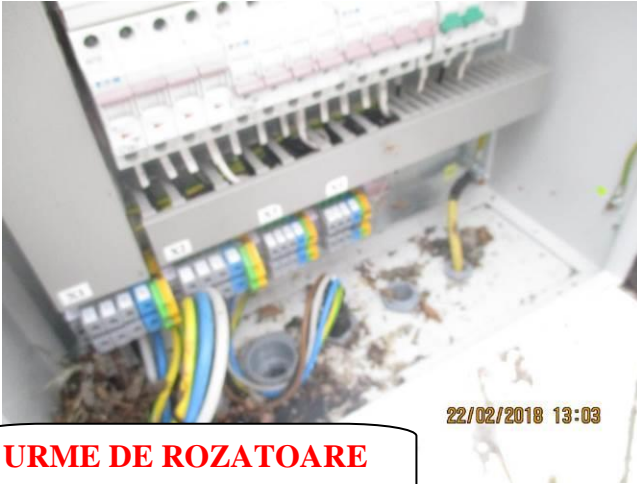


Intrare cabluri neizolata



Intrare cabluri neizolata





URME DE ROZATOARE



CW INFORMATION



12. PROPOSED INFRASTRUCTURE & EQUIPMENT SOLUTION

a. Indoor cabinets

Dimensions of existing room:	N/A
Space availability for indoor equipment:	N/A
Expansion of existing equipment room:	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:	N/A
Water proofing of the room needs restoration:	N/A
Internal Lighting restoration:	N/A
Wall painting needed:	N/A
Antistatic floor addition:	N/A
Fire alarm system expansion:	N/A
Air Conditioning (A/C) expansion/replacement:	N/A
Nr./capacity[A] of rectifier modules	N/A
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:	No
Dimensions of new metal base:	N/A
Secure of metal base on floor:	Yes
Grounding of base/Earthing for equipments:	Yes
AC power supply availability:	Yes
Needed properly holes on base:	No
Clearances around cabinets:	No
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

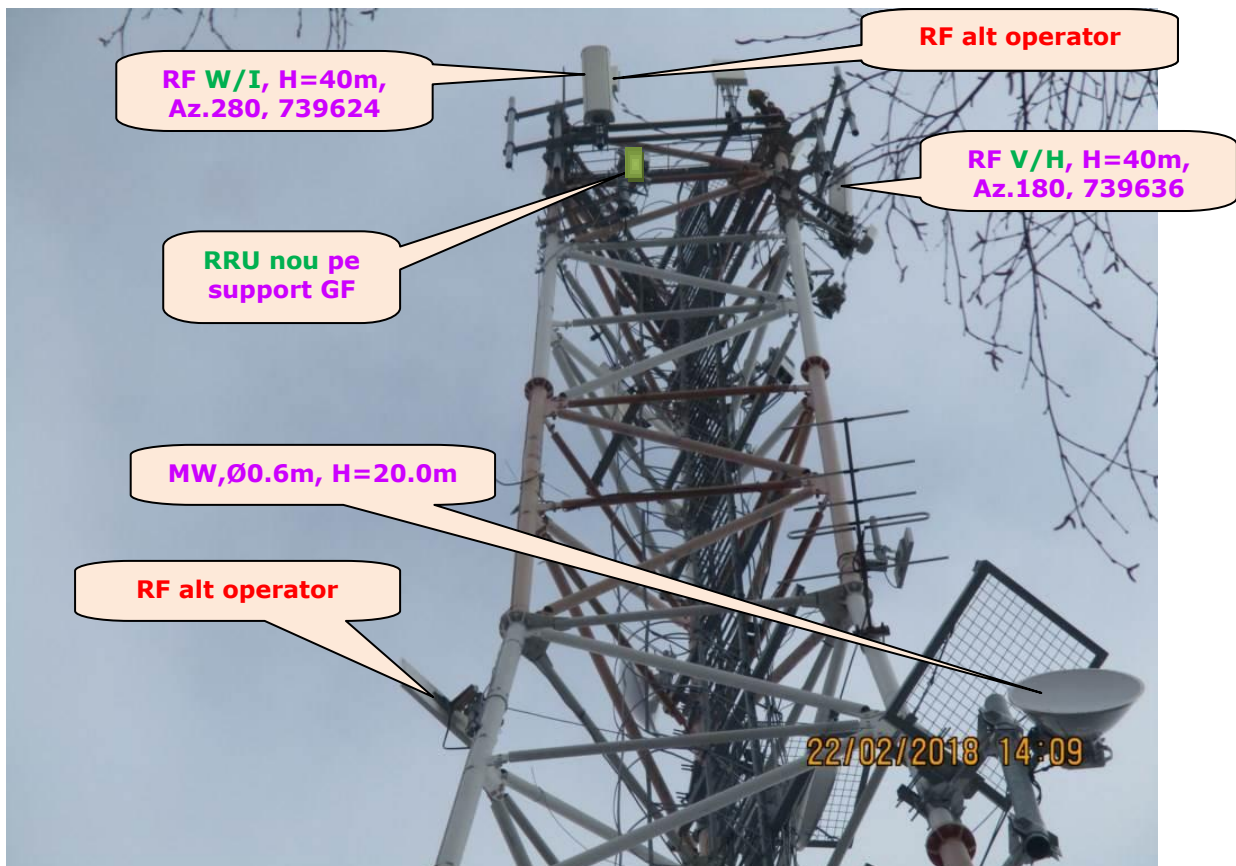
	Height	Length	Hop id	Corner/Tower	Far end	Obstacles	installation readiness
1							
2							
3							



Proposed corrective works:	<p>Reconfigurarea site-ului CJ783 POSAGA_RTC care sa includa urmatoarele elemente:</p> <ul style="list-style-type: none">- Se vor pastra antenele existente 2x739624 si 1x739636;- Antenele se vor reutiliza pentru tehnologiile GSM900/UMTS900;- Pe suportii GF se vor instala 3xRRU-uri noi GSM900/UMTS900;- In minishelter Raycap nou se va instala 1xRBS6601 nou echipat cu 1xBB5216.- RBS6601 se va alimenta din 1x16A din distributie minishelter;- Cele 3xRRU-uri noi se vor alimenta din 3x25A din distributie minishelter cu cabluri DC CU2x10mmp – 50m;- Dupa swap, se vor dezinstala RRU-urile ZTE impreuna cu FO/DC + echipamente din minishelter; <p>Lungimi cabluri:</p> <p>Jumperi 1/2" – 6x2m; FO – 3x50m; DC CU2x10mmp – 3x50m; DC CU2x2,5mmp – 5m;</p> <p>* Structurile metalice si echipamentele noi se vor conecta la impamantarea existenta pe site.</p>
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13. PROPOSED SOLUTION LAYOUT(S): PICTURES AND COMMENTS:





14. Detailed site information/Picture:

- Pictures with Metallic existing structure; further reuse to be acknowledge by Telekom;
- Pictures with existing Cable tray to decide if additional feeders can be added/ if case