Annex 10 to the Contract - No. .... / ....

REPORT
OF FACTORY ACCEPTANCE TESTS
(FAT)

LOT 1 - AoIP transport equipment and accessories

Completed today, …… .., on the occasion of performing factory acceptance tests of products: audio encoder, audio decoder, audio splitter, audio switch.

During the period of..... were performed the factory acceptance tests of the above mentioned products by performing the tests in the attached form, finding that:
 the measured parameters are within the specified values
 the measured parameters do not fall within the values specified in the factory acceptance test form, with the following observations:
....
.....
the following actions will be taken:
....
.....

List of participants:

S.N. Radiocommunications S.A.	(supplier name)
Name / signature	Name / signature
....	....
....	....
....	.....

Nr.Crt	Parameter / test name	Required value / imposed by specifications books		Notes
TECHNICAL REQUIREMENTS ENCODING EQUIPMENT				
1.1	ENCODER DIGITAL AES/EBU			
1.2	Hardware configuration - Type name - Interfaces			
1.3	Software configuration			
1.4	Installed licenses			
1.5	SFN network integration (*Single Frequency Network*)			
1.6	Mountable in 19 inch type rack			
1.7	230V AC power supplies.			
1.8	Switch power supply			
1.9	Operation on a single power supply			
1.10	Check operating temperature			
1.11	Number of XLR AES / EBU digital audio inputs			
1.12	Audio interface type, rack mounting			
1.13	Number of XLR connectors			
1.14	Digital audio input level limits			
1.15	Electric ETH port number / type			
1.16	Minimum / max speed supported			
1.17	Configure ethernet interfaces			
1.18	Check unicast / multicast signal			
1.19	IP transport protocol check: - UDP - RTP			
1.20	Number of different output streams (unicast / multicast) / Ethernet interface			
1.21	Number of output streams			
1.22	Ethernet port management interface.			
1.23	VLAN configuration			

1.24	Supported encoding algorithm: - MPEG 1/2 Layer II - MPEG4: AAC-LD/ELD , HE-AAC v1/v2 - MPEG2/4: AAC-LC - Enhanced apt-X (E-aptX) - Linear PCM			
1.25.	Sampling rates			
1.26	SNMP v2c management system			
1.27	User access levels			
1.28	Remote equipment configuration via GUI / WEB			
1.29	Configure the ETH interface: - IP address - Net mask - Gateway IP			
TECHNICAL REQUIREMENTS AUDIO SPLITTER				
2.1	Number of AES / EBU entries			
2.2	Number of AES / EBU male XLR connector outputs			
2.3	19 inch rack mountable equipment			
2.4	*Measurement:* Impedance,Insertion Loss, Impedance Match Output to Output Isolation Max Signal 10 V_{P-P}	110Ω < 0.1 dB +/- 2%, min 40dB,		
2.5	Attenuation			
2.6	SNMPv2C management integration			
TECHNICAL REQUIREMENTS DECODING EQUIPMENT				
3.1	DECODER DIGITAL AES/EBU.			
3.2	Hardware configuration -Type name -Interfaces			
3.3	Software configuration			
3.4	Installed licenses			
3.5	SFN network integration (*Single Frequency Network*)..			
3.6	Mountable in 19 inch type rack			
3.7	230V AC power supplies			

3.8	Switch power supply			
3.9	Operation on a single power supply			
3.10	Check operating temperature			
3.11	Number of digital audio outputs			
3.12	Audio interface type, rack mounting			
3.13	Number of digital connectors / outputs			
3.14	Digital audio output level	13dBFS ÷ 0dBFS		
3.15	Number of electric Ethernet ports			
3.16	Minimum speed 10 / 100Mbps			
3.17	RJ-45 connector type			
3.18	Configure interfaces	individual		
3.19	Unicast / multicast packet reception / interface			
3.20	IP transport protocol: - UDP - RTP			
3.21	Number of unicast / multicast / ETH interface streams			
3.22	Ethernet / interface management			
3.23	VLAN configuration			
3.24	Algoritm decodare: - MPEG 1/2 Layer II - MPEG4: AAC-LD/ELD , HE-AAC v1/v2 - MPEG2/4: AAC-LC - Enhanced apt-X (E-aptX) - Linear PCM			
3.25	MPX Ready			
3.26	Remote monitoring via SNMP v2c protocol			
3.27	User access levels			
3.28	Remote equipment configuration via GUI / WEB			
3.29	Configure ETH management interface parameters - IP address - Net mask - Gateway IP			
3.30	Download audio signal from the			

	Internet.			
3.31	Digital audio signal recovery from two input streams.			
TECHNICAL REQUIREMENTS AUDIO SWITCH EQUIPMENT				
4.1	Number of digital audio inputs AES / EBU XLR female connector			
4.2	Number of digital audio outputs AES / EBU male XLR connector			
4.3	Switching input sources (*silent detect*)			
4.4	Standby time configuration Step (in seconds) Min / max limits			
4.5	EE power switch			
4.6	Remote equipment configuration via GUI / WEB			
4.7	Rack mountable			
4.8	Power supply type	230V AC		
4.9	Verificare temperatura funcționare	10 - 45 grade C		
4.11	Signal measurement / verification in / out			
4.12	User access levels:	read-only și full acces		
4.13	Monitoring configuration via SNMP v2c.			