***Supplementary material***

***Annexes 1***

1. ***Equipment of TV room***

a) Emitter and receiver of TV from CRTV Maroua b) External view of air extractor from TV room

1. ***Equipment of FM room***

*a) On left to right, are represented: voltage regulator, emitter/receiver FM for the far north region, transmitters FM of regional and national signals*

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*b) Air conditioner system, cooling both transmitters FM of regional and national signals*

*On the left to the right, evaporator of air conditioner situated in FM room and condensers of air conditioner situated outside the room*

*c) On the left to the right: temperature sensor that give information to the dehydrator, the dehydrator, frequencies combiner (dummy load) to be routed to antennas*

*d) On the left to the right: temperature sensor which give FM room's temperature, antennas on the towers, cables of antennas located on tower.*

1. ***Equipment of RFI room***

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a) Receiver of RFI satellite's waves on the CRTV Maroua site

*b) FM RFI Emitter's/receiver's on CRTV Maroua site*

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*d) Batteries, batteries charger's and controller's*

*c) TX/RX 900GSM and 1800GSM*

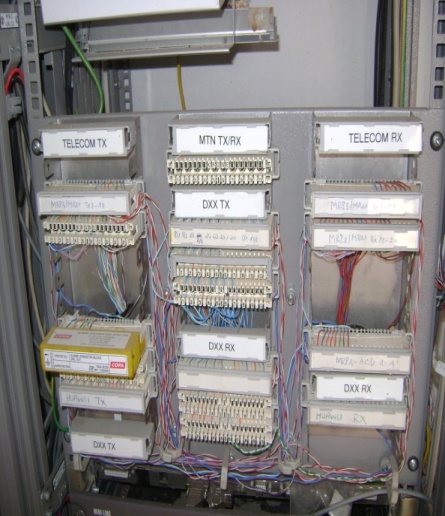
*in RFI room*

***Annexes 2***

***Equipment of MTN sites***

*a) Outdoor base station of MTN Maroua Market*

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*b) MTN Missinguileo base station: on the left to the right TX/RX equipements ,Huawei OSN 2500 multiplexer, radio equipment*

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*c) MTN Missinguileo base station: on the left to the right ERICSON multiplexer,antennas tower and power supply from AES-sonel*

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*d) MTN Missinguileo base station: on the left to the right BTS GSM 900 equipment located in the room and air conditioner condensers' located outside of the room*

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*f) MTN Missinguileo base station: Tower with differents directions of radios*

*e) MTN Missinguileo base station: cables from antennas located on the tower*

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*g) MTN Missinguileo base station: An exemple of site which have MTN and ORANGE antennas located on the same tower. The equipments are located on differents rooms*