

Martial KENMOGNE TAMO

Telecoms Engineer | RPO Engineer

MPhil. Telecom, MBA, PRINCE2* and FMVA*

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French (Fluent) and English (Conversation)

SUMMARY

I am an ambitious and motivated telecom engineer with more than eight (8) years of experience with mobile network operators. Passionate about technologies and wireless networks, I have extensive experience in the life cycle of mobile networks, more particularly in the management of telecom infrastructure deployment projects (Sites survey and acquisition, Civil engineering works of BTS sites, installation of pylons, shelters and BTS/Microwave equipment, Commissioning and Integrating BTS and Microwave, equipment swapping, Driving Test for site and clutter verification, and transmission links (microwave, optical fiber, and VSAT)), curative/preventive maintenance operations management (Guaranteeing high network availability of network nodes and services), and radio planning and optimization of GSM / UMTS mobile networks. I also hold a Master in Business Administration (MBA) in addition to my initial training in telecoms engineering. Thus, my experience in the telecoms sector and this dual skill allow me to have a transversal vision of the functions of telecom companies, to master their value chain, to understand the telecom business environment and telecom business strategies, to efficiently manage telecoms projects and propose optimal solutions in order to contribute to the growth of the company. Integrating your company represents for me a real challenge for the future in which my work and my honesty can be fully expressed and I am available to serve the company where the need arises.

WORK EXPERIENCE

Radio Planning and Optimization Engineer (RPO Engineer).

April. 2018 – December 2020

VIETTEL CAMEROUN S.A • Headquarter • Yaounde

- Design and plan new sites (GSM / UMTS); Plan parameters to integrate and activate new sites/cells (CDD, frequency, BSIC, HO, and PSC planning, allocate licences, align parameters etc.);
- Monitor and optimize degraded UMTS / GSM cells (Worst cells) to improve radio KPIs (accessibility, retention, mobility and usage) of suppliers NOKIA and Huawei;
- Propose an action plan on the occasion of "Mass events" (End of year celebrations, religious festivals, SIAO ...) to prevent congestion linked to an increase in cell traffic voice and data (Addition / Activation of TRX, HR threshold increase, SDCCH addition, add carriers Fx, add Licences ...);
- Analyse and resolve customer complaints and ensure the updating of the customer complaint tracking database;
- Perform regular Driving Tests to evaluate the performance of UMTS / GSM cells for different purposes (Benchmarking, Customer complaints, site verification, cluster, etc.) and Post-processing of the log files collected during those tests;
- RF Optimization and Parameters tuning (GSM / UMTS for the vendors NOKIA and Huawei);
- Monthly audit of the settings linked to transmission power on the different 2G and 3G channels, correct any inconsistencies and archive audit reports;
- Monthly audit of the intra and inter technology neighbourhood plan and make the necessary corrections (Number of neighbourhood relationships, missing relationships, unnecessary relationship, one-way relationship, etc.);
- Elaboration of daily / weekly / monthly quality reports on network performance.

Technical environment

- NMS platforms - M2000, U2000, PRS 2G / 3G and NetAct, Tang;
- Radio optimization tools - TEMS INVESTIGATION 10.0.5, TEMS DISCOVERY 10.0.3, MAPINFO 11.0 with plugging PIANO and PLANCHECK, Forsk Atoll, Google Earth, MS Excel, GPS, Compass ...).

Head of Network Operation Center Support (NOC Support).

November. 2016 - April. 2018

VIETTEL CAMEROUN S.A • Headquarter • Yaoundé

- Ensure the availability of the service of the various elements of radio access networks (GERAN / UTRAN), namely: RNC / BSC and BTS / NodeB and transmission systems, namely: optical and microwave links;
- Analyse and validate the preventive maintenance plans of technicians in the field;
- Level 2 support for the resolution of incidents on elements of BTS / NodeB radio access networks and optical and microwave transmission systems;
- Manage the refuelling of generator sets at BTS sites (Data analysis, forecasting and preparation of monthly and annual fuel consumption budget);
- Liaise/communicate with regional technical directors to monitor fuel consumption, fuel theft, installed power system performance, and issue monthly fuel consumption report for each region;
- Collaborate with the ten (10) regional technical directors to validate their monthly action plan and their budget for network maintenance, to resolve critical incidents, and others;
- Generate a specific project budget and monitor all curative and preventive maintenance expenses of the regions concerned;
- Management of maintenance equipment warehouse (BBUs, RF Modules, AC and DC Power Distribution, Power Alarms, SFP Modules, spare parts etc.).
- Manage the relationship with partner service providers (CAMTEL and IHS) to ensure that the appropriate level of technical acuity and quality is respected in compliance with SLAs.

Technical Coordinator

April. 2015 - November. 2016

VIETTEL CAMEROUN S.A • Center Region • Yaounde

- Manage all the technical activities of the region, namely: rollout telecoms Infrastructures, radio optimization, Transmission, Operation&Maintenance in order to achieve the monthly and annual objectives attributed to the region in terms of: network availability, construction of new sites, integration and activation of new sites, radio quality and coverage, deployment of optical and microwave transmission lines, etc.;
- Develop annual and monthly action plans with a budget to achieve objectives; management of technical and financial resources (equipment's, logistics, budget)
- Pilot the daily activities of installation, operation, monitoring, preventive / curative maintenance and troubleshooting of network infrastructures (Radio Access Network, transmissions, sites ...) for the maintenance and improvement of network availability; management of teams (thirty (30) collaborators);
- Conduct the investigations / analyzes of circumstances after the detection of failures / anomalies reported by the NOC, the sales teams in order to diagnose the root causes;
- Ensure the effective resolution of technical problems / malfunctions in order to comply with defined network operating standards / standards;
- Manage the relationship with partner service providers (CAMTEL and IHS) to ensure that the appropriate level of technical acuity and quality is respected in compliance with SLAs;
- Develop the monthly fuel consumption plan for the generator sets at the BTS sites and take stock at the end of the month of the consumption with explanations of major differences;
- Liaise / communicate with the team leaders of the ten (10) divisions to monitor fuel consumption, fuel theft, performance of the installed fuel system and publish a monthly fuel consumption report by department;
- Follow the team's monthly generator maintenance plan and ensure that spare parts are always available for this purpose.

Deployment - Rollout Manager

April. 2013 - April. 2015

VIETTEL CAMEROUN S.A • Center Region • Yaounde

- Management of telecom infrastructure deployment projects: building site telecoms, Equipment installations and swaps, optical and microwave transmission (Roll out and implementation) in the ten (10) departments of the center region of Cameroon; objectives: deploy 409 BTS sites, around 2000 km of optical fiber (Underground and Overhead) and 200 microwave links (Short and long hops);
- Planning, monitoring and validation of works: Survey and acquisitions of BTS sites, civil engineering work on platforms, erection of pylons (Auto stable, Guyed and mast), AC and DC power supply system, installation of generators, optical transmission lines and FH, installation and commissioning of equipment (BTS / NodeB / FH), delivery and acceptance of works;
- Teams management (thirteen (13) collaborators and around twenty (20) contractors);
- Develop annual and monthly action plans with a budget to achieve objectives;

- Technical and financial resources management (equipment's, logistics, budget) and perform evaluations of activities (has built, lessons learned, lost, gains, quality);
- Negotiation with the electricity company for the electrification of sites;
- Monitoring of compensation and legal documents for buildings and rents;
- Guarantee network deployment while respecting time, quality and cost constraints;

Rollout Engineer

January. 2013 - April. 2013

VIETTEL CAMEROUN S.A • Center Region • Yaounde

- Survey and acquisition of BTS sites; Survey of transmission lines (Optical and Microwave);
- Supervise the construction of telecom infrastructures (civil work, tower erection, shelters installation, optical and microwave transmission, electrical networks, power system etc.);
- Install and commission NOKIA BTS / NodeB and Microwave NEC / CERAGON;
- Troubleshooting and maintenance of NOKIA BTS / NodeB and Microwave equipment (ODU, IDU, IF Cable, etc...) NEC / CERAGON;
- Troubleshooting and maintenance of optical transmission links; Connection and welding of optical fibers in ODFs and Sleeves; Optical measurements and tests; Use of tools: OTDR, Fusion machine (Splicer), Power Meter, Power Receive, etc.;
- 2G / 3G Driving Test (site verification and clutter, Benchmark, RF optimization, etc.);
- Deployment of aerial and underground optical fiber, and ODF cabling;

Technical environment

- Optical tools - OTDR, Fusion machine (Splicer), Power Meter, Power Receive;
- Radio optimization tools - TEMS INVESTIGATION 10.0.5, MAPINFO 11.0 Google Earth, MS Excel, GPS, Compass ...);

Project Manager & Network Administrator

January. 2012 – December. 2012

VIETTEL CAMEROUN S.A • Center Region • Yaounde

- Rollout management of Telecom infrastructures projects (Civil engineering works of BTS sites, assembly towers, shelters and BTS / NodeB equipment, equipment swapping, optical and microwave transmissions, etc.);
- Design, planning, implementation and maintenance of computer networks (LAN, WLAN and WAN);
- Configuration of Mikrotik routers (Routing, hotspots, Web and FTP proxy, bandwidth management, Load Balancing, etc.) and Cisco;
- Configuration of Ubiquity access points in PtP and PtM (configuration of WDS and MESH);
- Configuration of the AAA server with Free Radius under Linux distribution (Ubuntu server) for hotspot users;
- Installation and configuration of CPE at customers side for Internet access via WI-FI and WIMAX;

ACADEMIC TRAINING

Financial Modeling & Valuation Analyst Certification (In Progress). December. 2020 - Present
Corporate Finance Institute

Certificate in Marketing Management October. 2019 – March 2020
UNICAF University

Master of Business Administration (MBA) September. 2017 - July. 2019
University of Nicosia • Nicosia

Master's in Telecommunications October. 2016 – March. 2018
National Advanced School of Engineering Yaounde – University of Yaounde 1 • Yaounde

University Certificate in LTE & Advanced Communication (Level 4) September. 2016 - November. 2017
University of Derby Online • United Kingdom

Diploma in LTE & Advanced Communications Technologies September. 2016 - November. 2017
Informa Telecoms & Media Plc - Telecoms & Tech Academy • United Kingdom

Bachelor's Degree in Telecommunications, Option: Radiocom. October. 2008 - October. 2011
National School of Posts, Telecommunications and ICT in Yaounde-Cameroon
(Former National Advance School of Posts and Telecommunications). • Yaoundé

COMPETENCES

- Good knowledge of telecommunications system, RF engineering, mobile networks 2G/3G/4G and IoT technologies | IP Network;
- Good knowledge of Radio Planning and Optimization processes;
- Good knowledge of UMTS/GSM radio access networks KPIs of (Accessibility, retainability, mobility and usage);
- Experience in analysing KPIs of Huawei / NOKIA vendors for GSM / UMTS / HSPA technologies;
- Rollout Management of telecommunications infrastructures (Civil work, erection towers, Power system AC and DC, BTS installation and commissioning, optical fiber transmission network, Microwave installation and commissioning, etc.);
- Excellent knowledge of the telecommunications sector: Radio Access Network (2G/3G/4G), Transmissions networks (microwave, optical fiber networks, and VSAT), FTTH networks, Infrastructures, power systems (AC, DC, Generators, solar systems etc..) and telecom sites environment;
- Good understanding of the telecoms business environment, products and services;
- Good knowledge of the value chain of Mobile Network Operators and telecoms services management;
- Strategy thinking and Strategic planning (Strategic analysis, formulation and implementation);
- Development of a strategic plan (corporate and business unit level) and alignment of functional strategies (Marketing, Sales, Operation, etc.);
- Strategy implementation and performance management with Balanced Scorecard;
- Elaboration of Strategic Plan, business plan and business Cases;
- Finance in telecoms (financial accounting, budgeting and forecasting, KPI and financial analysis) | Financial Modelling & Valuation Analysis;
- Business Analysis (a research discipline of identifying business needs and determining solutions to business problems) | Project Management (Prince2 methodology) | Product management
- Knowledge on telecom revenue assurance and support systems (OSS, BSS and MSS);
- Enterprise Information Systems and Business Data Analysis with Microsoft Excel and Power BI;
- Experience using the MS Office Suite (MS Word, Advanced skill in MS Excel, PowerPoint and Outlook);

PROFESSIONAL CERTIFICATIONS

CERAGON - Certification on Microwave CERAGON (IP10G).

TELCOMA TECHNOLOGIES PVT LTD INDIA - TELCOMA Certified GSM Planning Expert (TCGE-P) Certification.

PROJECTS MANAGEMENT

- Project Management at **Centrale Lille**;
- Project Management for Business Professionals at **Jericho Hill Interactive**;
- Creation of innovative companies: from idea to start at the **University of Montpellier**.

COMMSCOPE INFRASTRUCTURE ACADEMY

- CommScope Microwave Wireless Infrastructure Specialist (CMWIS) [SP6180];
- CommScope RF Wireless Infrastructure Specialist (CRWIS) [SP6500];
- CommScope Fiber Optic Infrastructure Specialist (CFOIS) [SP4420];
- Looking after LTE Infrastructure, Looking forward to 5G [WR9610];
- In-Building RF Wireless Fundamentals [SP6550];
- CommScope Broadband OSP Fiber Solutions [SP1020];
- FTTx Architectures [WR9423] | FTTx Loss Budgets [WR9424] | FTTx Loss Budgets [WR9424];
- FTTx Optical Systems [WR9421] | FTTx Connectivity for the ODN [WR9426].

TYC GIS FORMACIÓN - Geographic Information Systems with ArcGIS 10 Specialist Level.

MPIRICAL LIMITED

- GSM Air Interface [8ysqfEFz3x]; | GPRS and EDGE Air Interface [QNBILhdkWB];
- UMTS System Engineering [TmcXISizn4];
- UMTS Air Interface [kNgZZs2S4T];
- HSPA Air interface [LINxlovWvj].

HY-CLASS TRAINING AND CONSULTING SERVICES HSEQ - Working Safely at Height on Telecoms Towers.