## TONY XAVIER

***NPO Consultant-GDC INDIA***

Exp: +17*Yr in 5G/4G/3G/2G-RNO*

*Mob:+91 9497016999/9626602320*

|  |  |
| --- | --- |
| OBJECTIVE | *Expertise in Telecommunication Technologies, over twelve plus years’ in RNO both native and offshore experience with reputed organizations. Currently pursuing for a career in Telecom with multivendor exposure in multiple verticals. Looking forward for continuous challenge and learning, an environment of excitement where I can have a sense of achievement and fulfillment.* |

##### **SKILLSETS**

**Design and Planning SKILLS: -**

* KPI management as per SLA’s and New site/Capacity rollout
* Optimization &inconsistency checks for 3G/2G/3G&HS/4G
* Network Capacity dimensioning &Feature testing for GSM /2.5G/3G&HS/4G
* License audit and ordering for BSS NE’s 3G
* Parameter Audit and tuning, Feature activation and Benchmarking, PR file Auditing and correction CR’s
* Post processing log files and troubleshooting
* RF optimization of **4G and 5G technologies**
* Knowledge on 5G SA and NSA technology
* Knowledge of beamforming technology, carrier aggregation, VONR and other aspects in 5G technology
* Optimization of complex 5G /4G network
* PCI planning , Neighbor planning, Parameter Audit
* Handon KPIs analysis like RSRP, RSRQ, SINR, CQI, Transmission mode, rank indicator, e.t.c
* E2E call flow - SA and NSA network
* Prepare optimisation plan - Physical changes , basic parameter audit and corrections
* Analysis of neighbor relations and implementation of corrections
* Troubleshooting issues related to accessibility, retainability, mobility and load balancing in 4g/5G network
* 5G Radio parameter finetuning
* Experience on Nokia LTE/5G KPI and Counters, Parameter and Feature Tuning in both FDD and TDD Networks
* Expertise on Nokia tools like Net Act, BTS Manager, NPM and 3rd party tools like Actix, TEMS
* Able to do Parameter Audit gNodeBs and colo and non-colo eNodeBs as it relates to 5G performance and implement the change to clear the discrepancy
* Can Perform KPI / Counter level analysis, can do problem isolation to arrive at an early RCA, can recommend to improve network performance
* Identify and resolve Performance degradation in the network within prescribed timelines
* Traffic balancing using physical and soft parameters while ensuring KPI’s are met
* Good grasp on mobility management strategies
* Able to think out of the box to resolve complex scenarios and be able to
* effectively justify the rationale behind proposed recommendations
* Able to communicate effectively while working with a large team in collaborative mode working in different time-zones
* Able to meet targets consistently and maintain complete transparency with the team
* Ready and available to Work in NAM Shifts
* Good understanding of Nokia BTS h/w: System Modules and RF modules and associated gains and losses of the system, experience on Air-scale products
* Good understanding on Antenna patterns and their impact on coverage and interference. i.e. impact of MIMO and massive MIMO etc.

## RF-TOOLS: -

* NetAct, Plan editor, WCDMA18, RADAR
* RNO,OSS/MML-Ericsson n NSN, WNCS, WMRR, FAS, ICDM
* GEPH, UETR analysis; BMC remedy; NetAct;
* TEMS Investigation–Drive Test Tool
* TEMS Discovery, MapInfo,Mcom,MIPT, Gladiator
* Alex-Ericsson, Helmsman 4.4-Nortel, NED-NSN

**BSS-SKILLS:-**

* Tools-OMT 32,MLM 6
* Site integration and PDH/SDH O&M, Trouble shooting
* Power redundancy for Hub sites and Core Nodes

## PROFESSIONAL EXPERIENCE

**JD with Nokia GDC-Noida& Chennai**

**TMO5G/4G Modernization projects Dec 2020- June 2021**

### Major Responsibilities: -

* Parameter Audit for Carrier addition completed layer’s for 5G/4G (TDD/FDD)
* XML creation for the audit discrepancy clearance
* XML error troubleshooting for the final xml successful execution
* 72 hour monitoring for new site in west and central region site

**USCC Modernization projectsnew site acceptance for 5G/4G Sep 2020- Nov2020**

### Major Responsibilities: -

* 5G parameter Audit and discrepancy clearance
* Clearing ENDC issues and Alarm clearance
* Coordinated DT activity with region team for the successful submission of New site DT Acceptance report
* Live parameter alterations and DT strategy advices for the successful DT completions
* MFBI activation for Anchor Band B4/B66

**TMO adoc projects for NSA to SA for 5G-19AAug 2020- Sep2020**

### Major Responsibilities: -

* Region wise XML creation for NSA to SA CU conversion
* Troubleshooting XML errors for successful implementation

**Banglalink rolloutPH-1&2 projects June 2019-Aug 2020**

### Major Responsibilities: -

* Parameter Audit for 2G/3G/4G Mo’s using RADAR
* Parameter Audit correction CR’s for discrepancy in parameter
* New site hourly monitoring and escalation towards region for clearing any degrading’s
* Weekly 3G-capacity review presentation with customer and consolidation of resolution
* Cluster KPI acceptance submission for new site

**Zambia MS projects since Dec 2018- Apr 2019**

### Major Responsibilities: -

* Parameter tuning for KPI degradation, capacity augmentation and Power Upgrade for mixed mode configuration,
* Multiple features were activated and Benchmarked for improvement & impact study were carried out for network level
* PR File audits and correction CR’s were initiated
* PR file parameter recommendation and implementation were done successfully
* Daily monitoring the KPI’s for NQI target. Implement the optimization plan
* Dump con checks, PR file updating and signaling file update
* RCA creation for network performance degradation and customer coordination
* Feature Trials and Parameter Trials were done on weekly basis and shown with Improvement
* Daily Worst cell RCA creation and follow-up with customer on Corrective CR/TT’s

**Vodacom-SLA projects since Apr 2019**

### Major Responsibilities: -

* Parameter tuning for KPI degradation, capacity augmentation and Power Upgrade for mixed mode configuration,
* Multiple features were activated and Benchmarked for improvement & impact study were carried out for network level
* PR File audits and correction CR’s were initiated
* PR file parameter recommendation and implementation were done successfully
* Close looped with customer interfaces/PoC’s for execution of CR’s and to resolve customer complaint escalations
* Daily monitoring for KPI deterioration using SONAR and initiated corrective actions -CRQ/JO’s for the region assigned
* PM dashboard publishing and E2E RCA closure with the customer
* PR File audits and CRQ/JO for disparity clearance
* Traffica Voice Quality Assessment (TVQA) for worst cell’s in Nokia/Huawei region’s

Working for **Nokia India Limited**

NPO Lead VF MS projects since May2015-Dec 2018 for **Nokia India Limited-TN**

### Major Responsibilities: -

* Have lead a team of 6TL’s for Optimization and planning TN VF MS project
* End to end capacity dimensioning and new site rollout.
* New RNC rollout and backhaul expansion mitigation plan.
* Daily monitoring the KPI’s for NQI target. Implement the optimization plan
* Dump con checks, PR file updating and signaling file update
* RCA creation for network performance degradation and customer coordination
* Sub-con management and PO/INVOICE follow-ups for new site PLO’s
* Capacity study done as per CT guidelines, New site/sector addition/LK upgradation proposed
* Lk audits and projection forecasted
* Daily NPO reporting to both VF and NSN-management verticals
* New site plan for AOP consolidated based on CT guidelines, Business input, spillover
* IBS sectorization for high user failures, power congestion, CTU
* Customer complain closure with in SLA
* RNC Fill factor and IuPs utilization management, with new RNC ordering and LK upgradation for cRNC’s
* Vendor management and quarterly signoff for rollout. Managed five vendors for new site SCFT and report submission to VF

**LTE& VoLTE PROFILE-Knowledge Base**

* Very sound and in-depth knowledge in Volte and LTE parameter, Features, Optimization strategies; Capacity dimensioning, RTP traffic analysis based on DSCP, MoS& Jitter optimization
* PCI planning, Neighbor planning TA dimensioning by calculating MME paging capacity, RBS paging capacity

TAC planning, LAC-TAC mapping with WCDMA sites.

* Reviewing and designing LTE Radio Network Design Parameters.
* Checking and rectify PCI swap, coverage and handover related issue, RRU faults.
* Performing LTE Pre launch and post launch network optimization with TEMS drive analysis, neighbor relation, and tilt and parameter optimization.
* LTE Network Launch & Cluster Optimization. Planning of RF parameter, Hardware configuration & field level changes.
* LTE network launch and cluster optimization, planning of RF parameter, making field level changes, troubleshooting with Handover problem, tuning parameters.  
  Providing Drive routes to DT engineer using MAPINFO and also defining cluster boundaries.
* Actively done LTE Parameters audits- LAC/TAC, SI/X2, INTEGRATION audits etc.
* Carry out basic parameter checks such as RSRP, SINR, and Throughput during Post Drive.

1. Working as RNO multiple projects since Sep2011-may2015 for **Ericsson Global India Limited-Bangalor**

**Celcom Malaysia- On Sight at Kuala Lumpur**

### Major Responsibilities: -

* Haveleadateamof6membersforOptimizationofEasternregion of Malaysia
* ProcesstheDrivelogsusingTEMS discovery analyzerpostprocessingtool.
* AnalyzetheproblemareasbasedonKPI’slikeRx,Ec/Io,FER,TX,CallDrops,etc.
* Daily monitoring the KPI’s for swap sites/ New site. Implement the optimization plan
* New site Co checks and SSO presented to Customer Celcom
* Supported Regional leads of Ericsson Malaysia with immediate actions on customer demands
* AnalyzetheproblemsareasbasedonHOFailuresandDropcalls.
* AnalyzeMobileAssistedHardHandofffailures,andanalyzethecauseofproblemandsuggestasolution.
* PlanandProposenewneighborlistadditionbasedontheDrivetestdataandWNCS
* Validatetheperformanceofthenetworkafterimplementationoftheproposedactionplans

**Wataniya 3G Initial tuning Project :- On Sight at Algeria**

### Major Responsibilities: -

* Initial tuning for 3G/HS performance from DT analysis
* Prepare Cluster report for Customer acceptance with TEMS Discovery and Gladiator
* Propose Neighbor addition and physical optimization to fine tune Network performance and KPI Optimization
* Descriptive action plan to address CS and PS performance based on DT analysis
* Post processing Network Dumps with NEPA & IPAT
* Report verification for a team of three members before customer submission
* Parameter audit to clear inconsistence to address poor KPI performance

**YoigoManged Service 3G Project:- Remote delivery**

### Major Responsibilities: -

* Maintaining and improving WCDMA network performance and quality in terms of Radio CS, R99, HSDPA & EUL KPIs for accessibility, retainability, mobility (SHO & IRAT Handover Success) ,R99 Data/HSDPA Throughputs, 2G/ 3G Traffic in the Network.
* Using Business Objects/ ITK for generating variety of real time reports as a part of routine Optimization to monitor and analyze network statistics.
* Feature activations and study
* Dashboard Reports, Routine daily/weekly and monthly Reports etc. involving network KPIs and worst cells by making use of raw counters and available Performance reports
* Daily monitoring the KPI’s for Multiple RNC’s. Implement the optimization plan
* Top offender drill down analysis and propose corrective NCR
* Support TL with all necessary inputs to address any issues associated with Hub/POC . Also propose sites for switch off as per guideline
* Trigger TT for corrective actions and follow-up for end to end closure
* AnalyzetheproblemsareasbasedonHOFailuresandDropcalls.
* Parameter audit and inconsistency clearance
* Generate CR for external cell definitions and relation creation
* Load balancing and traffic mitigation as per HLD
* Balancing the traffic between the two carriers by tuning the load sharing parameters and parameter tuning done for the congested cells/nodes. Marinating the 2G-3G traffic for the swapped nodes or newly 2nd carrier activated cells.
* Analyzing WCDMA Neighboring Cell Support (WNCS) to define missing neighbor relations and figure out overshooting cells during UTRAN neighbor audits with the help of WMRR.
* Processing and analysis of Ericsson OSS-RC Tools like WCDMA Measurement Results Recording(WMRR)

to figure out the overshooting cells and DL CPICH Ec/No and RSCP measurements to isolate Interference

and coverage issues in the cells.

* Analyze the FFAX recording to find out the cross-feeder & faulty antenna at the Node.
* Audit and consistency check on parameters and configuration using MOSHELL removal of Inconsistencies if any.
* Fine tuning antenna orientation and effective tilts for cell-sites to ensure Proper signal distribution and minimal pilot pollution

1. Worked as optimization team lead since Jan2010–Sep2011for **NSN**-Bharti M&O Optimization (VOICE & DATA) Project.

### Major Responsibilities: -

* End to end Optimization for both Voice and Data Kpi
* Capacityplanning forBSSand PS-CScore
* In depth analysis based on ND reports
* Parameter revision for degraded BSC’s,segments and PS nodes
* New BSC/MSS planning, NE re-homing and Utilization management
* EFL vs Stretch configuration balancing
* Inconsistency checks and Adhoc Frequency planning

1. Working as Sr. optimization consultant (Technicallead) fromjan2009 to Oct’09 for**Telecomone**-**BSNL Nortel** network Optimization (**VOICE/DATA**) Project.

### Major Responsibilities: -

* Daily analysis of stats for KPI optimization
* Clash Macros were created to fix inconsistencyin Adjacency, MAIO/HSN
* GPRS/EDGE Throughput was optimize by improving cell selection/reselection, assigning switchable TS, replanning MCS allocation table, revising TBF hold timers, joker TS and flexi Abiz planning, Augmentation of AGPRS Ts , revising TBF hold timers
* BM drives were conducted for both voice and data for GSM/CDMA operators. In depth analysis were done for Abnormal events and all accessibility/retainability issues were optimize by post processing Log’s in Gladiator
* AMR, PC,HO parameters were revised to optimize drops and retainability
* CSSR was improved by improving SD drop, clearing TCH/SD blocking and by managing transcoder pool devise utilization
* Used gladiator to optimize KPI’s by importing Atoll database; OSS stats and DT log
* Physical changes like Antenna swaps, height reduction, tilt changes, power reduction were done for worst performing cells

1. Working as optimization engineer fromMay 2008to Jan 2009for **Aircom**-Idea Siemens network Optimization(**VOICE**) Project.

### Major Responsibilities: -

* Daily analysis of stats for KPI optimization and Baselined KPI’s for the existing network
* Power control, HO, cell selection, assignment parameters and Timers were fine tuned
* Redefining Adjacency,inconsistency check for MAIO/HSN clashes, balanced Frequency loading factor to 50%
* Physical optimization based on post processing log, TA reports,TRX quality/RxQual report, and daily KPI trend.
* Blocking, RACH, HoSR were improved by Physical optimization, dynamic SD allocation, arresting Ghost RACH, Erlang dimensioning, parameter/Timer fine tuning…
* Antenna swaps, height reduction, tilt changes, power reduction were done for worst performing cells
* Cluster wise optimization of coverage, blocking and other KPI’s were done by Post processing log files in MapInfo for necessary changes
* Bench mark drive were conducted for multi-vendor performance standardization

1. Worked as networkConsultant-RF (On roll) from Nov 2005 to Mar 2007 and continued in Field maintenance till April 2008 for**Ericsson**-BhartiM&O Optimization(VOICE & DATA)Project.

### Major Responsibilities: -

* Daily analysis of stats for KPI optimization.
* Sudden drops were optimized by parameter verifications, BSS trouble shooting and BTS software update, rerouting rain fading hops or the hops with high BER by analyzing the Alog, optimizing antenna layout and gain isolations for indoor repeater coverage solutions to avoid sudden drop, power redundancy (using multiple DC to DC converters and PDF’s), Hop protection plans for hub sites, Antenna Signal strength Monitoring, fixing Cable swap, jammers etc…
* Other reason drops were optimized by TRC pool reconfigurations, optimizing utilization’s of interfaces(Ater), TRX utilization (RHSNT) and cell utilization, TRH load distribution , managing processor load(65-70%), Optimizing clock jitter, CIC mismatch,adding LSL(4 TS per C7SNT) or HSL with incremental 0.3E signaling pay load, managing LAPD congestion .
* Uplink drops were optimized by coverage optimization, minimizing Link budget imbalance, BSS Trouble shooting for CF and VSWR/Diversity alarm, ACCMIN parameter settings, ICM band optimization, Enabling ICHO, enabling IRC, Optimizing link budget imbalance by deploying TMA/TMB ,enabling uplink intra cellular HO
* Downlink drops were optimized by adjusting the tilts, interference management, limiting overshooting cell reflected in MRR, HSR optimization, coverage optimization, antenna height reduction, BSIC planning, enabling all urgency HO’s, AMRFR traffic, Codec mode utilization & SQI were analyzed to fix TCH quality issues, drop were analyzed on CHGR basis
* SDCCH Blocking were optimized by Fixing Phantom RACH / Ghost seizure, base lining LAPDm Timers, Analyzing SDCCH Time to assign/release and by managing Paging parameters
* ASR was improved by interference management, optimizing allocation strategy, TRC dimensioning, sub cell channel group planning, enabling power control while assignment etc..
* HSR was improved by setting HO Gain margins, filter values, neighbor definition based on NCS , frequency/BSIC re planning, optimizing best and second best servers ,New site proposal or sector additions for standalone sites, enabling HO Power Boost, assigning penalty for handover failures and configuring urgency handovers, enabling TCC for IR sites to maximize coverage.
* Erlang planning for TCH/SDCCH were done for event managements
* Site shifting plans were proposed to optimize the cell utilizationof BSC’s.
* New site parameter checks (RF & MO DT Verification), RF field checks were done and coordinated to fix RND deviations
* Design n planning for IBS and Repeater coverage layouts, antenna type and gain, waveguides. RxBP filters for outdoor micros.
* **GPRS/EDGE KPI’s** were optimized by improving cell selection/reselection(across EDGE enabled and non-enabled cells, Managing Gb utilization, TBF per PDCH standardization, Capacity dimensioning for Packet Switch nodes(RPP, Profile revision…) and Gb, BTS Hw planning, Channel allocation strategy for PSD,CHGR settings for PSD, implementing TBF hold mechanism,Trouble shooting abnormal release of TBF.
* RTT (Round Trip Time) for EDGE and GPRS were performed
* ASM was implemented for all DXU31 sites
* Paging success Rate was improved by dimensioning LAC&SDCCH,implementing optimal paging strategy and bySetting Standard Timers.
* Drive tests for Optimization, TRAI, IR , competitor DT’s, foot print drives were done successfully
* Outer n inner cell definition for new MSC were done
* New site survey, Nominal verifications were coordinated.
* Managerial reports and presentations were done with perfection
* Customer complaints were cleared with in the time frame

1. Worked as RF - Consultant on training basisfor BSNL-**Motorola** GSM Rollout Project.

### Major Responsibilities: -

* Drive Test and Optimization of the GSM network by analyzing the drive test data and making optimum changes in the Antenna orientations and tilts wherever required.
* Checking Neighbors list updates to ensure proper Handovers.
* Processing of log files and generating Acceptance-Reports & Plots by using NetPlan, TEMS and MS Windows Excel.
* Post logfile documentation:- Statistics generation, generic text format logfile for NetPlan
* Planning : BSIC,site planning, Frequency planning: 4×3 BCCH; 1×1 SFH
* Generated Coverage, C/I,C/A plots & C/I matrix in Net Plan
* Processing of log files and generating Acceptance-Reports & Plots by using Net Plan, TEMSand MS Windows Excel.
* Planned microwave sites for different clutters
* Call drop was optimized by recommending alteration of OMC-R Parameters&by managing co/adjacent interference(Enabling Adj chnl interference test)& by coverage optimization

1. Worked as IC Design engineer for Zensonet Trivandrum for 9 months as apprentice

#### Additional Honors & Awards

* Power award
* BUGS certified senior
* Rock star award
* OHS certified
* Performance champion-NSN

## Vendor Experience

Ericsson-W12, Nokia-SRAN16,RU50,Ericsson-G11,NSN S16,

**ProfessionalTrainings&Certifications:**

* W-CDMANetworkoverview
* W-CDMAAirinterface
* W-CDMA Initial tuning
* W-CDMAperformance management.
* GSM advanced training-E///
* LTE functionality training
* OJT at Malaysia on 3G/3.9G

## EDUCATIONAL PORTFOLIO

**GRADUATION**:

College : PSNACollege of Engineering & Technology

Qualifying Degree :B.E in Electronics & Communication

University : MaduraiKamarajUniversity.

**PERSONAL PROFILE**

PermanentAddress : Tony Xavier

Nediaparampil, West of St. Mary’s church

NT. Ward, Punnamada,

Alappuzha, Kerala – 688006

Date of Birth : 22nd November 1978

Nationality : Indian

Present Project : **VF MS Project**

Present Organization : Nokia

Designation : Optimization Team Lead

Function : RF optimization and Capacity dimensioning

Expected CTC : As per industrial standards

Total experience : **17.5 Yrs**

Region : Bhopal, MP, India

Phone :  **+91 9497016999**/***+91 9626602320(Whatsapp)***

Email : [**tonyxav@gmail.com**](mailto:tonyxav@gmail.com)

Public profile URL **:** **[http://www.linkedin.com/in/tonyxavier](http://www.linkedin.com/in/tonyxavier" \o "View public profile)**

## QUALITIES & APTITUDE

* Fortitude and presence of mind
* Treat needy with grace *n* challenges with diplomacy
* Aspiration for learning

**LANGUAGES KNOWN:**

English, Hindi, Malayalam, Tamil