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| **Shabbir Hussain**  **Operation & Maintenance Engineer**  Qualification & Personal data :  B.SC Electronics Engineering 2011-2014 GPS:2.69/4  Institute :- University of Engineering & Technology Taxila ,Pakistan  Date of Birth : 19-12-1991  Passport NO: HA6905862  Mob:03475081418 WhatsApp  [engr.shabbir2222@gmail.com](mailto:engr.shabbir2222@gmail.com)  Address: C/0 Engr.Shabbir room no 224 satellite town boys hostel commercial market Rawalpindi ,Pakistan |  |

**WORK EXPERIENCE 7 Years’ Experience**

### Special Communication Organization, Rawalpindi

RF Optimization- Operation & Maintenance Engineer SCO-4G HQ 6the Jun 2019 to Present Key Responsibilities

* Manage or supervised TXN/BSS/access networks projects for SCO IN Baltistan region.
* Drive test mainly include identifying areas with no 4G connectivity, handover issues, call drops, low throughputs, no data etc.
* Responsible to complete the annual coverage and performance drive test analysis.
* Worked on pre and post migration cluster drives.
* Performing on-site and lab-based RF testing and measurements
* Responsible to check quality of (Qos) service including voice /data in the assigned AOR.
* Troubleshooting and resolving RF issues
* Analyzing and interpreting data to produce accurate reports
* Developing and maintaining RF test plans, processes and procedures
* Calibrating and maintaining RF test equipment
* Monitoring system activity
* Running tests of 2/3/4G parameter as per PTA assigned standard
* Responsible to optimization regular DT of assigned cluster
* Responsible to prepared reports of DT logs on DT analyzer tool.
* Worked in Nemo analyzer tool & Nemo outdoor.
* Supervise the maintenance of production and electrical equipment
* Maintain the facilities maintenance schedule
* Perform and supervise maintenance related repairs
* Maintain equipment and supplies to ensure safe operation of the facility
* Inspect and troubleshoot equipment
* Ensure all equipment is properly maintained
* Review daily work orders and provide reports
* **Monitors new tools and technology**
* Review all documentation to ensure proper data collection
* Lead, train and supervise maintenance workers
* **Responsible for analyzing equipment, operating data**
* Planned projects, created schedules and prepared reports and all other related
* Radios.
* Microwave network O&M Monitoring, Maintenance, Configuration and
* Troubleshooting MW equipment RTN910 using Web LCT, T2000 and U2000 software
* Fault Management takes end-to-end responsibility for corrective maintenance of Network problems.
* Liaises with Customer Care organizations regarding Network outages.
* Ensures planned outages are carried out/rolled back in maintenance window.
* Ensure all problem tickets are being managed within KPI.
* Optical fiber network /MW O&M Monitoring, Maintenance, Configuration and
* Troubleshooting for OSN500 and OSN2500.
* Working on Huawei U2000 (NMS).
* Handling the all NMS activities. Handling the E1 related issue.
* Co-ordination with PDSN team regarding Data services.
* Monitoring of peak utilization of all active WAN links.
* Transmission Fault management.
* Transmission configuration management.
* Transmission Fault management.
* MW link report shared on daily basis.
* Transmission health’s check SMS broadcasting on daily basis.
* Worked in OSN series & different MW vendors like Huawei RTN910,980,950,ZTE NR825,PR10
* Ericsson BB6630,6620,5216
* Expert in integration of different TXN links SD/HSB/XPIC .
* **System and Tool used**:
* BTS NOKIA ultra , Flexi BTS, ZTE(outdoor and indoor), HUAWEI , Ericsson RBS6201 and RSB6150V2  
  PDH-SDH –OSN(500,1500,2500) -M/W Links – NOKIA, NEC Neo, NEC Paso link(1000,VR10)
* Minilink Craft,
* Minilink Service Manager
* WebLCT U2000

Zong CMPAK Gujarat, Pakistan

BSS/TXN Lead Huawei O& M 2nd March 2018 to 2nd Jun 2019

## Key Responsibilities:

* To look after over assigned cluster CM/PM.
* To resolve trouble tickets within limited time slots.
* Connectivity with Back office and BO TXN NOC for different issues.
* Responsible to optimize assigned cluster
* Responsible to monitor KPIS Of the live network 2G/3G/4G
* Good hands in Nemo RF tool to make regular report & DT logs
* Expert in making DT reports using Analyzer Tool.
* Ensures all the NSS/BSS network elements are alarm free and all the links are working properly.  
  Acceptance test, Call test and Handover test and Quality audit of new sites.
* Second line maintenance i.e. responding to NOC for fault analysis on BTS equipments and troubleshoot the network elements.
* Handling out customers complaints in time related to coverage & call routing.
* Handling Electrical problems relating to power systems (Delta, Eltek and Emerson).
* Drive testing of signal strength and preventive maintenance of different BTS.
* Managing all the issues related to sites.
* Documentation & maintenance of network plan.
* Preparing cell outage reports for the sites.
* Proactively identification and rectification of issue to reduce network outage.
* On site & remote Configuration & Software up-gradation of Ericsson Transmission Nodes.
* First level support of core network nodes CISCO, SDH, and OTN/PTN & DWDM.
* Closing of WO/TT after outage resolutions.
* Proficient in using following software tools.
* OMT, RBS Element manager, Mini Link Craft, Putty, MO Shell etc
* Checking & Inspection of Antennas at Roof Top of Passenger Terminal Building (PTB).
* Remote support and onsite troubleshooting of Ericsson 4G nodes (FDD & TDD).
* O&M and troubleshooting of 5G NR nodes.
* Resolution of eNodeBs and 5G NR TTs.
* SW upgradation of 4G and 5G nodes.
* Working as TI Team Lead of Warid RAN Rollout projects
* Execution of Warid EDGE expansion projects within given time frame.
* Execution of Transmission up-gradation and cut-over projects.
* Survey and Deployment of COWs and COLTs across Pakistan.
* Looking after installation, commissioning and configuration activities of Ericsson.
* Minilink Classic Node, and Traffic node(2P, 6P, 20P).
* -DCN configuration for NE visibility in TN.
* Software up gradation of TN.
* Commissioning, configuration and Cross connection of RTN 600 and RTN 900.
* Working on RBS 2000 family(2116, 2216, 2106, 2107, 2206, 2207)
* Working on Huawei BTS 3012, 3012AE and DBS3900.
* VSWR test
* Software Tools:
* Supervision of BSS and MW team for Zong CMPAK out and Expansion projects.
* Execution of assigned projects within given timeline.
* Commissioning, Troubleshooting and Integration of Huawei Radio Base Station (3900, 3900L, 3812BTS).
* Connectivity with Back office and BO TXN NOC for different issues.
* Supervision of BSS and MW team for Zong CMPAK out and Expansion projects.
* Execution of assigned projects within given timeline.
* Commissioning, Troubleshooting and Integration of Huawei Radio Base Station (3900, 3900L, 3812BTS).
* Worked on Huawei RTN 900 family.
* Commissioning and configuration of Huawei Classic Node, Traffic Node(RT 950A,950,980,910, 620).
* DCN configuration of Traffic Node for NMS visibility.
* Installing 1+0, 1+1, XPIC (2+0, 2+2, 4+0) & Space diversity Links.
* Worked in Smart BTS Huawei 3900L BBU.
* Expert in traffic shifting link upgrading from ZTE to NEC, Huawei to Nokia.
* Configure new VLAN and IPs to make links visible.
* Worked on RTN 950A, 950,910.980.
* Proficient in using different test tools like site analyzer.
* Handling issues related to LTE/3G/2G for Network Zong CMPAK Pakistan.
* Ping test from BTS to BSC and RNC
* Proficient in using different software tools
* Worked on Huawei RTN 900 family.
* Commissioning and configuration of Huawei Classic Node, Traffic Node (RT 950A, 950,980,910, 620).
* DCN configuration of Traffic Node for NMS visibility.
* Installing 1+0, 1+1, XPIC (2+0, 2+2, 4+0) & Space diversity Links.
* Worked in Smart BTS Huawei 3900L BBU.
* Expert in traffic shifting link upgrading from ZTE to NEC, Huawei to Nokia.
* Configure new VLAN and IPs to make links visible.
* Worked on RTN 950A, 950,910.980.
* Proficient in using different test tools like site analyzer.
* Handling issues related to LTE/3G/2G for Network Zong CMPAK Pakistan.
* Ping test from BTS to BSC and RNC
* Proficient in using different software tools U2000 server
* Weblct
* MNS
* PUTTY
* LMT
* BTS

Start working at Seder Group APD 11th March- 2015- Dec-26-2017

BSS/TXN Engineer (NOKIA O&M) for Huawei MS Network ZAIN Kingdom of Saudi Arabia

## Key Responsibilities:

* Installation, Commissioning & Troubleshooting of Ericsson Mw (Minilink E, TN).
* Installation and Configuration of 2P, 6P, 20P with NPU 3C, NPU 1C.
* Troubleshoot the MW link of Mini-Link E and Mini-link TN in Coordination with Transmission Noc and Adjust Transmission Power Etc on Radio Access unit (RAU).
* Hardware (NPU, MMU, LTUs etc) Replacement / Troubleshooting in Coordination with field Teams in case of any Radio link went down.
* Upgrading Software for Ericsson 2P, 6P and 20P Traffic Nodes.
* Handling MDT for Traffic Nodes upgrade and Swapping from 6P to 20 P.
* Ensuring KPIs of All nodes are within the Acceptable range defined by our Management and Agreed with the Customer and Network availability remain above 99% of all time.
* To look After over issues in cellular network (GSM 2G/3G/LTE)
* Handling issues related to LTE/3G/2G for Network ZAIN KSA.
* Expert in traffic shifting link upgrading from ZTE to NEC ,Huawei To Nokia
* Conducting QC (quality control) of GSM sites & Microwave links.
* Link up gradation and traffic shifting from old links to up graded links
* Installation & upgrade Microwave links (NEC NEO & iPASOLINK 200/400 & 1000).
* Commissioning & Maintaining Nokia 2G Flexi Multi Radio BTS (ESMB, ESMC & FXDB).
* Network protocol Analyze by using Wire shark Software.
* Ping test from BTS to BSC and RNC.
* Troubleshooting NOKIA internal Alarms.
* Commissioning Maintaining Nokia3G & 4G Flexi BTS (FSMF.FRGT, FXEB).
* Trouble shooting NOKIA FIU19 Hooper
* Troubleshooting on Nokia flexi 2G EDGE BTS.
* Troubleshooting ZTE Microwave IDU’S NR820, PR 10.
* Commissioning, Integration of Radio link for ZTE Equipment NR, PR Series.
* Worked in Huawei RTN310, 950,620.
* Expert in configuration of Huawei Radio Links RTN310, 950,620.
* Worked in Huawei BTS 3900L, 3012, 3800 (2G/3G/LTE).
* Worked in Nokia Juniper like MUX-104 for different expansions from ALU to MUX.
* Testing Fiber from ALU to main MUX Juniper for availability of traffic.
* Network protocol Analyze by using Wire shark Software.
* Ping test from BTS to BSC and RNC.
* Troubleshooting NOKIA internal Alarms.
* Solving VSWR and RSSI issue.
* Solving Sector swap and TX RX down issues.
* Network protocol Analyze by using Wire shark Software.
* Installation and configuration of MHA.
* Conducting QC (quality control) of GSM sites & Microwave links.
* Conducting LOS survey for the operator of ZAIN.
* Conducting PAT with customers of ZAIN.
* Installation & upgrade Microwave links (NEC NEO & iPASOLINK 200/400 & 1000).
* Commissioning and upgrading NEC PASOLINK NEO & IPASSOLINK equipment.
* Upgrade NEC MW links.
* Installing 1+0,1+1, XPIC (2+0,2+2,4+0) & Space diversity Links,
* Obtaining Designed RSL.
* Testing and solving BER using BER analyzer
* Making back to back connections between IDU’s.
* Configure new VLAN and IPs to make links visible.
* Shifting traffic from 1 IDU to another IDU.
* Configure Packet layers and Physical Layers for traffic.
* Performing OAM tests, Continuity check, Loop Back and Link Trace.
* Installation and Upgrade ZTE transmission with IP based network technologies NR8250, PR10.
* Installing 1+0,1+1, XPIC (2+0,2+2,4+0) & Space diversity Links,
* Antenna alignment & assembly with different antenna size (0.3m, 0.8m 1m,1.2m)
* Good knowledge of MW frequencies and sub bands.
* Installation and Upgrade NOKIA FIU19 Flexi Hooper.
* Ensure for smooth implementation of network modification and expansions.
* Link up gradation and traffic shifting from old links to up graded links.
* Resolving the visibility issues.
* Worked with Huawei BTS 3012/3900L Smart BBU.
* Commissioning, integration of different traffic nodes Like RNT900, 950,300.
* Commissioning integration of different radio traffic node Like PR10.NR812 ZTE.
* Worked in Smart BTS Huawei 3900L BBU.
* Worked in different traffic nodes of Ericson like MMU2B, Manikin Craft.