Ahmad Tarmede Md Isa
No 25, Jalan TPS 3/13, Taman Pelangi Semenyih,
43500 Semenyih, Selangor.
Mobile : +60133629948
Email : tarmede@gmail.com
: atmi73@yahoo.com

PERSONAL PARTICULARS

Date of Birth : 24th July 1973
Pflace o Birth : Melaka
Nationality : Malaysian
Sex : Male
Language : English and Malay (competent in speaking and writing)

OVERVIEW

Telecommunications with 20 years experience in Testing, Commissioning, Integration, Operation & Maintenance and Implementation of Base-station Subsystem (BSS) and Transmission (PDH & SDH). Experience include 2G BSS Operation and Maintenance of Ericsson, Alcatel, Nokia, ZTE equipment and 3G RAN Implementation/Rollout, Trouble shooting and Operation & Maintenance (Node B, RNC, ATM and Transmission - PDH & SDH).
Overseas contract experience in Saudi Arabia and Indonesia.

ACHIEVEMENTS

1. Successfully upgrade software Node B from WN6 to WN7 for Celcom Axiata Malaysia
2. Successfully swapping BTS & Node Ericsson/Siemens to ZTE for DIGI Project at Malaysia
3. Successfully rehoming/integrate RNC and Node B Alcatel-Lucent for Celcom Project at Malaysia
4. Successfully upgrade software from UA5.0 to UA6.0 for RNC and Node B
5. Successfully upgrade 4pGE (Ethernet card – IP base) for 24 RNC
6. Successfully activate Capacity Licesnsing for Celcom 3G network
7. Successfully migration RNC Alcatel-Lucent from SGSN NSN to SGSN Huawei (PACO).
8. Successfully upgrade RNC card from PSFP to DCPS
9. Succesfully integrate/swapping Node B via WNMS Alcatel-Lucent at Jakarta [Trial].
10. Successfully create ATM cross-connection TN7670 Alcatel-Lucent at Jakarta.
11. Succesfully change AXUA to AXUB/AXCD for NSN Malaysia project.
12. Succesfully do rehoming RNC and Node B and Power Dynamic for NSN Malaysia
13. Succesfully swapping and integrated new sites for fNortel Node B Central, Sabah, Sarawak and Eastern Region, Malaysia.
14. Second level support for fNortel Node B via WNMS (OMCR).
15. Second Level Support for Nokia Node B and Transmission Manage Services Team in Jakarta
16. Selected as Node B Engineer under PT Nokia Indonesia for Telkomsel 3G roll-out in Jakarta. Fully involved in commissioning for 700 sites during phase 1.
17. Selected as Node B Engineer under Nokia Saudia CARE for Mobily Telecom Company 3G Operation. Managed/Monitoring Network 3G Nokia network surveillance for customer.
18. Successfully commissioned 500 Nokia Node B for Telekom Malaysia 3G roll-out.
19. Successfully involve in implementation of fiber optic network and SDH equipment.

WORKING EXPERIENCE

Position : **Senior Project Engineer/Coodinator Site Acceptance**
Title **:** Contract Staff
Company : NSN Malaysia
Project : Swapping Project, Upgrade and New site (2G,3G – G900 & W900 & WCDMA 2100 & LTE).
Client : Celcom Axiata
Period : July 2012 – Present

Node B/BTS
==========

1. Perform Testing, Commissioning & Integration Flexi WCDMA BTS/Node B and LTE (eNodeB).
2. Successful configure RF sharing for Flexi WCDMA BTS/Node B.
3. Perform swap activity from Ericsson to Flexi WCDMA BTS/Node B (NSN).
4. Successful audits internal parameter and software activity for Flexi WCDMA BTS/Node B.
5. Successful upgrade software version for Flexi WCDMA BTS/Node B.
6. Performed site survey before swap Ericsson to flexi BTS/Node B (NSN).
7. Sites supervise during installation, testing, commissioning and decommission BTS, Node B and eNodeb.
8. Preparation of site Installation and Commissioning Checklist report.
9. Performed Acceptance Test Procedure (ATP) for Flexi WCDMA BTS/NodeB for 2G,3G and LTE.
10. Prepared ATP form & site folder for all BTS/Node B – 2G, 3G and LTE.
11. Perform basic technical support tasks, including fault diagnosis & troubleshooting during swapping.

Coordinator for ATP/Site Audit 2G,3G and LTE report.
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1. Coordinated ATP report with partner.
2. Managed the team starting from site readiness until final acceptance. Throughout the 3 years, we've managed the hand-over of around 2500 new sites.
3. Update tracker for all ATP (2G,3G and LTE).
4. Check all ATP report before submitted to customer (Celcom).
5. Liaise with customer - (celcom) to get ATP approved.
6. Coordinated with Implementation manager for do clean-up for swap, newsite and LTE sites.
7. Plan/prepare schedule for ATP/Site audit site.
8. Works with project team to understand and assist with tracking all work, task and project assignments.
9. Working with Project Manager, assist in developing a comprehensive workflow process for project.
10. Monitor and modify project schedule as assigned.
11. Maintain document control, database management, track project activities and team communication.
12. Assists project team and team lead in strategic meetings and follow up with meeting notes.
13. Schedule project follow up meetings as needed.
14. Attend client meetings and assist with determination of project requirements
15. Maintain Project Managers calendars

16. Update all tracker for KVM, MOAT and LTE project
17. Support on site during ATP and site audit.
18. Meeting with customer - celcom regarding ATP and site audit issue.

Position : **Senior Wireless Technical Engineer**
Title **:** Contract Staff
Company : ZTE Malaysia Sdn Bhd
Project : DIGI Malaysia (Swapping)
Client : DIGI Malaysia
Period : January 2012 – June 2012

Node B/BTS
==========

1. Perform second level support for BTS/Node B.
2. Provide daily update and weekly report on the work status progress.
3. Perform testing, commissioning & trouble shooting BTS/Node B.
4. Perform swap activity for BTS/Node B.
5. Perform software upgrade for BTS/Node B.
6. On-site support for ZTE contractor with a more experienced colleague.
7. Basic technical support tasks, including fault diagnosis and troubleshooting.
8. Check quality on site installation by subcon.
9. Supervise contractors in installation ensuring that good installation practice in accordance to Digi recommended standard is adhere by contractors at all time.

   Analyze network status and performance for BTS/Node B and provide recommendations when necessary.

Position : **UTRAN Technical Support Engineer**
Title **:** Contract Staff
Company : Alcatel-Lucent Malaysia
Project : Celcom 3G – (Operation & Maintenance Support Team)
Client : Celcom Axiata Malaysia
Period : April 2011 – End December 2011

W-NMS – WCDMA Network Management System
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1. Routine works like daily reports, doing backups
2. Generate various call traces to analyze networks performance anad quality issues
3. Run PCR work order received from Data filler for networks parameter changes
4. UTRAN daily networks monitoring and fault management (involve troubleshooting)
5. Support TEC/ TSC for opened AR (trouble ticket)
6. Support RNC and node B acceptance test
7. Support networks optimization team

RNC – Radio Network Controller
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1. Technical support for the RNC which include routine RNC O&M (both preventative & corrective) and troubleshooting
2. Correct RNC faults and performance degradations in the network
3. IuPS-ATM and IuPS-IP support on Operation & Maintenance activity (both preventative & corrective) and troubleshooting.

4. IuCS - ATM support on Operation & Maintenance activity (both preventative & corrective) and troubleshooting.
5. IuR support on Operation & Maintenance activity (both preventative & corrective) and troubleshooting.
6. RNC SW upgrade and feature activity.
7. RNC networks capacity licensing on Operation & Maintenance activity
8. RNC internal parameter and Software audits

Node B
======

1. Technical support for the Node B which include routine Node B O&M (both preventative & corrective) and troubleshooting.
2. Correct Node B faults and performance degradations in the network
3. Node B integration to RNC
4. Node B re-homing activity
5. Node B swapping activity
6. Node B 2nd & 3rd carrier activity for capacity upgrade
7. Node B networks capacity licensing activity
8. Node B hybrid IuB Operation & Maintenance activity.
9. Node B internal parameter and Software audits activity.
10. Node B SW and hardware troubleshooting before passing the SSV test
11. HSDPA/ HSUPA Opération & Maintenance activity.

ATM
===

1. ATM/IMA creation and configuration for IuB to new node B
2. Create IuB cross-connections on ATM for synchronization connection to RNC
3. ATM ESE7670 integration with NM server
4. E1/ STM-1 connectivity checking and testing between ATM and RNC

Position : **WNMS/OMC-R Engineer**
Title **:** Contract Staff
Company : Alcatel-Lucent Malaysia
Project : Celcom 3G – (Rollout project RNC, NodeB and Swapping)
Client : Celcom Axiata Malaysia
Period : April 2009 until March 2011.

W-NMS – WCDMA Network Management System
==========

1. Routine works like daily reports, doing backups
2. Generate various call traces to analyze networks performance and quality issues
3. Create Work Order using WiPS for offline UTRAN networks configuration
4. Run PCR work order received from Data filler for networks parameter changes
5. UTRAN daily networks monitoring and fault management (involve troubleshooting)
6. Support TEC/ TSC for opened AR (trouble ticket)
7. Support UTRAN Commissioning and integration for Core Network
8. Support RNC and node B acceptance test
9. Support networks optimization team

RNC – Radio Network Controller
==========

1. RNC implementation which includes commissioning and integration with W-NMS
2. RNC integration with MGW and PS core networks
3. Technical support for the RNC which include routine RNC O&M (both preventative & corrective) and troubleshooting
4. Correct RNC faults and performance degradations in the network
5. IuPS-ATM and IuPS-IP implementation, integration and testing with SGSN
6. IuCS - ATM implementation, integration and testing with MGW
7. IuR configuration, integration and end-to-end functionality testing
8. RNC SW upgrade and feature test implementation
9. RNC networks capacity licensing implementation and testing
10. RNC card modules upgrade implementation for capacity enhancement (includes provisioning and configuration)
11. RNC internal parameter and Software audits

Node B
======

1. Technical support for the Node B which include routine Node B O&M (both preventative & corrective) and troubleshooting.
2. Correct Node B faults and performance degradations in the network
3. Node B integration to RNC
4. Node B re-homing implementations
5. Node B swapping implementations
6. Node B 2^{nd} & 3^{rd} carrier implementation for capacity upgrade
7. Node B SW upgrade and SW validation testing implementation
8. Node B networks capacity licensing implementation and testing
9. Node B hybrid IuB implementation and testing
10. Node B internal parameter and Software audits
11. Node B SW and hardware troubleshooting before passing the SSV test
12. HSDPA/ HSUPA implementation on node B.

ATM
===

1. ATM/IMA creation and configuration for Iu B to new node B
2. Create IuB cross-connections on ATM for synchronization connection to RNC
3. ATM ESE7670 integration with NM server
4. E1/ STM-1 connectivity checking and testing between ATM and RNC

<u>Special Project - Alcatel-Lucent 16 New RNC 9370 Integration</u>

1. Create new work order new site creation.
2. To integrate RNC into network using WNMS
3. To integrate RNC IuCS with existing Media Gateway
4. To integrate RNC IuPS with existing NSN SGSN and new Huawei PACO
5. To integrate RNC IuR with existing RNC
6. To integrate RNC with Test Node B
7. To perform IOT, ATP

Position : **WNMS/OMC-R Engineer**
Title **:** Contract Staff
Company : Alcatel-Lucent Indonesia
Project : Telkomsel - (Rollout Project RNC and NodeB)
Client : Telkomsel Indonesia

Period : November 2008 to March 2009

1. Troubleshooting, Monitoring and Operation & Maintenance WNMS for Node B, ATM (TN) and RNC for 3G Network
2. Integration new sites and swap sites [Node B] via WNMS Nortel for 3G Network.
3. Run all the Work Order via WNMS (NSP).
4. On-site support at customer premises with a more experienced colleague.
5. Create/Remapping E1/STM cross-connection site via ATM Transport Node Alcatel A7670
6. Activate HSDPA /TMA/Cell/E1 upgrading of Node B via WNMS (OMCR).
7. Create/delete call Trace via WNMS

Position : **RAN NodeB/Transmission Engineer**
Title **:** Contract Staff
Company : NSN Malaysia
Project : Celcom 3G – (Rollout Project)
Client : Celcom Axiata Malaysia
Period : May 2008 to October 2008

1. Upgrade module card from AXUA to AXUB & AXCD for phase 1 (450 site).
2. Activated HSDPA , power dynamic, Local cell, configure cross-connection AXC and AAL2 multiplexing for Node B.
3. Do Re-homing RNC, Node B and prepare XML file for all sites re-homing via NetAct.
4. Support for Integrate and On-Air Node B i.e. Flexi WCDMA , Supreme Indoor/Outdoor and Optima Compact Node B.
5. Basic technical support tasks, including fault diagnosis and troubleshooting.
6. Provide on-job training to NSN partners on Node B commissioning and integration.
7. Assist in technical/customer acceptance, including commissioning files compilation and EPM upload.

Position : **WNMS/OMC-R Engineer**
Title **:** Contract Staff
Company : Alcatel-Lucent Malaysia
Project : Celcom 3G – (Rollout project RNC, NodeB and Swapping)
Client : Celcom Axiata Malaysia
Period : November 2007 to April 2008

1. Integrate new site and swap site[Node B] via WNMS Nortel
2. Fully involved for site swapping from Alcatel EVO to f-Nortel – Eastern, Sabah, Central and Sarawak region.
3. Create/Remapping E1/STM cross-connection site via ATM Transport Node Alcatel 7670
4. HSDPA /TMA/Cell/E1 upgrading of Node B via WNMS (OMCR).
5. On-site support at customer premises with a more experienced colleague
6. Trouble shoot, monitoring and clearing alarms of RNC/Node B via WNMS Nortel
7. Analyze network status and performance for Node B via protima Nortel
   Call trace via WNMS.

Position : **RAN Access Engineer - NodeB/Transmission Engineer Support (MS)**
Title **:** Contract Staff
Company : NSN Indonesia
Project : Telkomsel Indonesia – (Manage Service)
Client : Telkomsel Indonesia
Period : May 2007 to November 2007

1. Node B and Transmission related via NetAct such as creating GUI, DNS, working set and adjacency.
2. Node B and Transmission troubleshooting, alarm and fault clearing.
3. Node B and Transmission testing, commissioning and integration.
4. Node B and Transmission performance monitoring and analysis
5. Node B and Transmission quality check and acceptance test.
6. Assisting role in installation and/or commissioning and/or integration, network expansion activities, SW maintenance activities such as installation & test of technical/change notes / change deliveries, technical/customer acceptance testing.
7. On-site support at customer premises with a more experienced colleague
8. Analyze network status and performance for Node B/Transmission and provide recommendations when necessary.
9. Support FLM and NOC team via NetAct on troubleshooting and analyze activity.
10. Remote Node B troubleshooting via RNC and NetAct
11. Ensure network performance for Node B and Transmission met the set KPI.
    Create Iub, WBTS, WCell and Integrate new sites.

Position : **RAN Access Engineer – Nodeb/Transmission**
Title **:** Contract Staff
Company : Nokia Indonesia
Project : Telkomsel Indonesia – (Rollout Project)
Client : Telkomsel Indonesia
Period : November 2006 to April 2007

1. Fully involve in Test, Commissioning and Integration of Node B and Flexi Hopper (Nokia System) – i.e WBTS Supreme Indoor and Supreme Outdoor, Metrosite and Transmission Nokia Flexi Hopper.
2. Node B and Transmission troubleshooting, alarm and fault-clearing.
3. Support team Transmission for commissioning Flexi Hopper Link.
4. Support team TI for Implementation Node B/Transmission
5. EPM upload for Node B and AXC commissioning file.
6. Node B and Transmission quality check and acceptance test.
7. Support technical activities such as Node B rehoming and HSDPA upgrades.
8. Providing site survey data such as CME, Antenna Orientation, Equipment Space and Transmission Equipment suitability.

Position : **RAN Access Engineer**
Title **:** Contract Staff
Company : Nokia Arab Saudi
Project : Mobily 3G
Client : Mobily Arab Saudi
Period : May 2006 to November 2006

1. 3G Nokia network surveillance for customer (Mobily), monitoring RNC, Node B, trouble shooting from NetAct monitoring and support first line maintenance (FLM Team) at Riyadh – Establish Operate Transfer (EOT) services.
2. 3G rollout – Testing, commissioning and integration of Nokia Node B, WBTS Supreme Indoor - 302 sites of Nokia Node B and 2 RNC at Riyadh.
3. Providing site survey data such as CME, Antenna Orientation, Equipment Space and Transmission Equipment suitability.
4. Involve Passed Acceptance Test (PAT) after site on air.
5. Handle and process Site Handover Acceptance Test Procedure.

Position : **Head of Unit – HOU**
Title **:** Permanent Staff
Company : Celcom Malaysia Berhad
Project : 3G Operation & Maintenance Support (Node B and Transmission)
Period : Jan 2006 to May 2006

1. Node B troubleshooting, alarm and fault-clearing.
2. Node B quality check and acceptance test.
3. Software upgrades/corrections.
4. Testing, commissioning and integration of Nokia Node B, WBTS Supreme Indoor, Optima Compact and Metrosite. Including software Nokia Application, BTS Manager, AXC Manager and Eltek Winpower (Rectifier).
5. Site integration with RNC.
6. To provide 2nd and 3rd level support on the regional maintenance (Nokia) team on the UTRAN Nokia.
7. To support the corrective maintenance of UTRAN network (Node B & Transmission)
8. To coordinate and support the corrective and preventive maintenance for Nokia Node B/Transmission.
9. To participate in special task involving the 3G Network
10. Node B integration
11. Analyze Downtime and Docket for Node B (WBTS).
12. To support 3G Acceptance Test Procedure (ATP) of Node B :
    i. Installation checklist
    ii. Integration checklist
    iii. Quality checklist

Jan 2005 to Dec 2005 - Special Project – 3G Rollout

Seconded to Telekom Malaysia 3G Group

1. Fully involve and participate in setting up 3G UTRAN Operation and Maintenance (O&M) procedures, process flows and other matters related to O&M issues
2. Fully involve in Test, Commissioning and Integration of Node B (Nokia System) in Central Region – i.e WBTS Supreme Indoor and Optima Compact.
3. Involve in Acceptance of Node B and RNC Equipment from Nokia.
4. Involve in Taskforce team for Node B and RNC Equipment from Nokia
5. Providing site survey data such as CME, Antenna Orientation, Equipment Space and Transmission Equipment suitability.

Position : **Head of Section – HOS**
Title **:** Permanent Staff
Company : Celcom & TM TOUCH
Department : Field Operation , Central Region (ART900, GSM & PCN Network)
Period : Jan 1993 to 2004 (Celcom and TM TOUCH)

1. Involve in central region's network integration between GSM900 and PCN1800
2. Involve in Taskforce team for BTS,BSC and Transmission analysis.
3. Manage the corrective and preventive maintenance to ensure the optimum level of BTS and Transmission quality and performances.
4. Provided report for Central Region Operation & Maintenance activity and downtime/docket to Management level.
5. Analyze network status and performance and provide recommendations when necessary
6. Monitor the BTS and Transmissions alarms daily and escalate to relevant operation staffs if needed
7. Support daily Operation & Maintenance and trouble shooting BTS/BSC (Alcatel, Nokia and Ericsson) in NMT450,GSM900 and PCN1800
8. Support team for daily operation & maintenance and trouble shooting microwave Alcatel, Ericsson, DMC and Siemens.
9. To monitor the performance of the BSC and BTS by analyzing data from Metrica and undertake necessary action such as to upgrade BSC highway and signaling, and to involve in TRX expansion to ease congestion
10. Involve in swapping BTS and BSC from Alcatel to Nokia for certain area in central region
11. Involve in Alcatel BSC and BTS migration
12. Perform BSC software upgrading (S9 for Nokia and B6 for Alcatel)
13. Involve in swapping BTS and BSC from Alcatel to Nokia for certain area in central region
14. Perform upgrading A-ter for BSC Alcatel and Nokia
15. Involve in expansion BTS Nokia equipment
16. Involve in Enhanced full Rate (EFR) and Half-rate (HR) testing and implementation

TRAINING / COURSES

April 2005 : Nokia – 3G Networks, Kuala Lumpur, Malaysia
a. Introduction to UMTS network
b. UMTS networks architecture
c. UMTS radio path and transmission
d. UMTS traffic management
e. Introduction to UMTS signaling and interface
f. UMTS services and applications

Nokia – 3G ATM in UMTS network, Kuala Lumpur, Malaysia
a. ATM basic
b. ATM protocols and signaling

May 2005 : Nokia – 3G NOCSUR (Networks Surveillance), NOKIA Training Center, Bangkok, Thailand
May 2005 : Nokia – 3G ULTCOM BTS Commissioning, NOKIA Training Center, Bangkok, Thailand
June 2005 : Nokia – 3G Radio Access Network Essentials, NOKIA Training Center, Bangkok, Thailand.
April 2004 : Ericsson – GSM operation handling in BSC, Kuala Lumpur
June 2003: NEC – SDH-3000S Microwave Radio System, Kuala Lumpur, Malaysia

June 2002: Alcatel – BSS commissioning and local maintenance terminal for BSC, BTS, Trancoder and MFS for GPRS, Kuala Lumpur, Malaysia
Nov 2000: Nokia – DE34/DF34 BTS Installation and Commissioning, Bangkok, Thailand
Sept 2000: Enhancing supervisory skills, Langkawi Island, Malaysia
Dec 1997: BSS lining up, commissioning and handling via Local Maintenance Terminal for BSS Alcatel system
1996: Operation & Maintenance of Alcatel microwave system, Kuala Lumpur, Malaysia
June 1995: Introduction, Operation & Maintenance for NSS and BSS Alcatel network, Kuala Lumpur, Malaysia
Nov 93-1995: ART 900 Cellular Overview system of Ericsson System, Kuala Lumpur, Malaysia

a) Basic Radio Course, Kuala Lumpur, Malaysia
b) Communication Network Technical part 1 & 2, Kuala Lumpur
c) Telecommunication Principles part 1 & 2, Kuala Lumpur
d) Telephone Network 1&2, AXE introduction, Kuala Lumpur
e) Mobile Telephony Basic (GSM and ETACS), Kuala Lumpur
f) CME 20(GSM) system survey, Kuala Lumpur

EDUCATION

Diploma in Telecommunications
Jakri Education Group
Selangor, Malaysia.

Malaysia Vocational School
Sek Men Vokasional Melaka Tengah
Melaka.

PROFESSIONAL REFERENCES

Khalid Ahmad
Site Engineering Manager,
NSN – Kuala Lumpur, Malaysia
+6019 2674552
khalid.ahmad@nokia.com

Mohammad Rizlan Mohd Zamry
Implementation Manager,
NSN – Kuala Lumpur, Malaysia
+6019 2436593,
ridzlan.mohammed_zamry@nokia.com

Mahendran Sethuraman
Project Director
NSN – Kuala Lumpur, Malaysia
+6019 2112075
mahendran.sethuraman@nokia.com