培 训 证 书

本证书授予 **Nathan Moono** 自 2018-04-25 至 2018-05-07

This is to certify Mr./Ms. from to

完成此培训项目：

completed the training program for

CORE Operation and Maintenance Training

该项目包含如下课程

The training program includes

课程编码（ID）	课程名称（Courses）
ODR102003	MSOFTX3000(ATCA) hardware data configuration
ODR002001	MSOFTX3000(ATCA) Mc interface Data Configuration
DR002009	MSOFTX3000 Local Office Data Configuration
ODR002010	MSOFTX3000 Interworking with MSC/PSTN Server Data Configuration
ODS002001	MSOFTX3000 Interworking with HLR & BSC/RNC Data Configuration
ODS002002	MSOFTX3000(ATCA) Number Analysis Configuration
ODS002003	UMG8900 Basic Data Configuration & Mc Interface Data Configuration
ODS002002	UMG8900 interworking with BSC/MSC/PSTN Data Configuration

PETER TANDA MULENGA
Commissioner for Oaths
Gazette No. 5908
24 AUG 2018
Telefon: 224621, Cell: 0955 8[illegible]338
P.o. Box PW 484, Lusaka-Zambia

CERTIFIED AS A TRUE COPY OF THE ORIGINAL

HUAWEI

Certificate

培 训 证 书

本证书授予 **Nathan Moono** 自 2018-04-16 至 2018-04-24

This is to certify Mr./Ms. from to

完成此培训项目:

completed the training program for

CORE Operation and Maintenance Training

该项目包含如下课程

The training program includes

课程编码（ID）	课程名称（Courses）
ODR102003	MSOFTX3000 (ATCA) OMU GUI Operation & Server Operation
ODR002001	MSOFTX3000 Performance Management & Routine Operation
DR002009	iGWB (ATCA) Operation and Maintenance
ODR002010	UMG8900 System Backup and Recovery
ODS002001	UMG8900 Common Operation, Routine Operation & Maintenance

Certificate

培 训 证 书

本证书授予 自 至

This is to certify Mr./Ms. MOONO NATHAN from 2014-06-23 to 2014-07-04

完成此培训项目:

completed the training program for

Core Network Operation & Maintenance Training

该项目包含如下课程

The training program includes

课程编码（ID）	课程名称（Courses）
14A0KECLC401	**GGSN9811 Routine Operation and Maintenance Training** **SGSN9810 Routine Operation and Maintenance Training (ATCA)** **GPRS/UMTS PS Fundamental Training** **GU UMG8900 Operation and Maintenance Training** **MSOFTX3000 (ATCA) Operation and Maintenance Training**

Of Participation

This is to certify that

Nathan Moono

has successfully completed the training courses of

Level B of ZXSDR-BTS Commissioning Introduction Course

Certified true copy of original

Date: From 2013/04/04

Till 2013/04/08

ID: 13IUGUB30605

NYANGULU AND CO.
DESIGN HOUSE
P.O. BOX 32049 LUSAKA

sco Networking Academy®

Certif

Exploration: Network Fundamentals

sco Networking Academy® course, administered by the undersigned inst
ently:

ow communication works in data networks and the

e the devices and services that are used to support
cations across an Internetwork

ıe role of protocols in data networks

the importance of addressing and naming schemes
; layers of data networks

the protocols and services provided by the
n layer in the OSI model and describe how this
rates in sample networks

he operations and features of the transport layer
and services

- Analyze the operations and f
protocols and services and e
of routing
- Design, calculate, and apply
- Describe the operation of pro
- Explain the role of physical la
- Build a simple Ethernet netw
- Use Cisco® CLI commands t
switch configuration and verif

Certified t
original

NYANGULI AN
DE
P.O. BOX 3204
ADVOCATES@GM

ıbia

Sep 19, 2013
Date

Instructor Signature

isco Networking Academy®

Certif

Exploration: Routing Protocols and Conc

isco Networking Academy® course, administered by the undersigned inst
iently:

- the purpose, nature and operations of a router and
ıbles
- , configure and certify router interfaces
- ıe purpose and procedure for configuring static
- ıe characteristics of distance vector routing
- the network discovery process of distance vector
rotocols using Routing Information Protocol (RIP)
- the functions, characteristics, and operations of the
ɔtocol
- and contrast classful and classless IP addressing
- Describe classful and classle
networks
- Design and implement a clas
a given network
- Demonstrate comprehensive
- Describe the main features a
Interior Gateway Routing Pro
- Describe the basic features a
protocols
- Describe the purpose, nature
Shortest Path First (OSPF) p

Certified tru
Original

ıbia

Sep 20, 2013
Date

NYANGULU AN
DI
P.O. BOX 320
ADVOCATES

Instructor Signature

isco Networking Academy®

Certi

Exploration: LAN Switching and Wireless

isco Networking Academy® course, administered by the undersigned inst
iently:

- ›asic switching concepts and the operation and
ıtion of Cisco switches
- enhanced switching technologies such as VLANs,
unking Protocol (VTP), Rapid Spanning Tree
(RSTP), Per VLAN Spanning Tree Protocol
, and 802.1q
- ınd describe the purpose of the components in a
eless network, such as Service Set Identification
3asic Service Set (BSS), and Extended Service Set
- Configure, verify, and trouble
Cisco® switches, interVLAN
- Identify, prescribe, and resol
media issues, configuration i
switch hardware failures

Certified tr
Original
MVANGULU A
P.O. BOX 32
ADVOCATES S.C

nbia

Sep 21, 2013
Date

Instructor Signature

Cisco Networking Academy®

Certi

Exploration: Accessing the WAN

Cisco Networking Academy® course, administered by the undersigned ins
ciently:

- be the impact of Voice Over IP and Video Over IP
  tions on a network
- be the components required for network and
  t communications
- ent basic switch security measures such as port
  /, trunk access, and management VLANs
- ure, verify, and troubleshoot DHCP and DNS
  ons on a router
- be the functions of common security appliances and
  tions
- Describe, configure, apply
  Access Control Lists base
- Explain, configure, verify, a
  Address Translation (NAT)
- Configure and verify basic
  including serial, Point-to-P
- Describe the importance, l
  components of VPN techn
- Describe recommended s
  network devices

Certified Origina

ambia

NY

Sep 21, 2013

Date

Instructor Signature

This is to certify that

Moono Nathan

has successfully completed the training courses of

Level A of NGN
and Passed the Examination

Certified true copy of Original

Date: From 2011/12/03

Till 2011/12/23

ID: 11IUFOA101041424

Address: Dameisha, Shenzhen China

NYANGULU AND CO.
DESIGN HOUSE
P.O. BOX 32049 LUSAKA
COMMISSIONER FOR OATHS

States Telecommunications Training

Diploma

United States Telecommunications Training Institute of Washington, D.C. hereby certifies that

Nathan Moono

has successfully completed a course of instruction in

3G Wireless Broadband

Sponsored by

QUALCOMM Incorporated

San Diego, CA July 18 - 22, 2005

Michael R.

USTTI Chairman o

QUALCOMM

RTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

NATHAN MOONO

HAS COMPLETED THE QUALCOMM COURSE

3G Wireless Broadband

July 21, 2005

James Silk

James Silk
CDMA University

Certificate

Certified true copy of original

NYANGULU AND CO.
DESIGN HOUSE
P.O. BOX 32049 LUSAKA
ADVOCATES & COMMISSIONERS FOR OATHS

This is to Certify that

NATHAN MOONO

successfully completed a course of instruction in

SWITCHING

Conducted from **16.10.2000** *to* **04.07.2003**

at

This is to certify that:

MR / MRS / MISS NATHAN MOONO

NRC NUMBER: 118605/18/1 **STAFF NUMBER:** 30491

was a registered student of the Zambia Telecommunications Staff Training College.

Successfully completed training in :

SWITCHING

Conducted from 16.10.2000 to 07.11.2003

His/Her performance was as follows:

		MODULE/COURSE CONTENT	GRADE
1.0	300	ELECTRICAL PRINCIIPLES	B
2.0	301	ELECTRONICS COMPONENTS & CIRCUITS	C
3.0	302	DIGITAL ELECTRONICS & BASIC COMPUTERS	A
4.0	303	TELECOMMUNICATIONS APPRECIATION	B
5.0	551	OPERATION & MAINTENANCE OF OCBE10B	B
6.0	552	NEAX 61E	B
7.0	554	CDMA WLL	A

This Certificate of Unit Credit towards

TECHNICIAN DIPLOMA IN TELECOMMUNICATIONS AND ELECTRONICS ENGINEERING

is awarded to MOONO NATHAN

MATHEMATICS 2	DISTINCTION
ELECTRONICS 2	PASS

TECHNICIAN CERTIFICATE IN TELECOMMUNICATIONS AND ELECTRONICS ENGINEERING

is awarded to MOONO NATHAN

The holder has one or more formal Certificates of Unit Credit by which this award was earned.

P.O. BOX 32049 LUSAKA
ADVOCATES & COMMISSIONERS FOR OATH

This Certificate of Unit Credit towards

TECHNICIAN CERTIFICATE IN TELECOMMUNICATIONS AND ELECTRONICS ENGINEERING

is awarded to MOONO NATHAN

WHO WAS SUCCESSFUL IN THE FOLLOWING FOUR UNITS

MATHEMATICS 1	DISTINCTION
PHYSICAL SCIENCE 1	DISTINCTION
TELECOMMUNICATION SYSTEMS 1	DISTINCTION
COMMUNICATION STUDIES 1	PASS

This is to certify that the candidate named below satisfied the conditions for the award of a

SCHOOL CERTIFICATE

MOONO NATHAN 940840672

NABOYE SECONDARY 106

	Grade	Standard
ENGLISH LANGUAGE	THREE	MERIT
MATHEMATICS	ONE	DISTINCTION
ADDITIONAL MATHEMATICS	THREE	MERIT
PHYSICS	FOUR	MERIT
CHEMISTRY	THREE	MERIT
BIOLOGY	THREE	MERIT

SUBJECTS RECORDED SIX

SUBJECTS GRADED SIX OR BETTER SIX

of Zambia

Founded 1955 Incorporated 1958

THE ENGINEERING INSTITUTION OF ZAMBIA

MEMBERSHIP CERTIFICATE

(EIZ ACT No. 17 of 2010)

This is to certify that

Nathan Moono

was admitted as

a

FULL TECHNICIAN

of

The Engineering Institution of Zambia

on the

(SECTION 12, EIZ ACT No. 17 of 2010)

REGISTRATION CERTIFICATE

This is to certify that

NATHAN MOONO

Having met approved qualifications, training and experience has been registered as a

Registered Technician

(R. Tec)

and is hereby authorised to use the above title

Chairman

SIGNATURE OF HOLDER

N. M. OONO

RIGHT THUMB PRINT

Certified true copy of Original

REPUBLIC OF ZAMBIA

NATIONAL REGISTRATION CARD

CARD No. Z2825605

FULL NAME NATHAN MOONO

DATE OF BIRTH 5.11.77

PLACE OF BIRTH T.MUFULIRA D.MUFULIRA

SEX M

VILLAGE NYAWA

CHIEF NYAWA

DISTRICT KALOMO

SPECIAL MARKS NIL

REGISTRATION DATE 4.3.98