CURRICULUM VITAE

HASSAN NUAMAN

PERSONAL INFORMATION

Full Name: **HASSAN MOHAMMED IBRAHEEM NUAMAN MOHAMMED.**

Date Of Birth: 15th of August 1985   NORTHEN STATE –SUDAN.

Marital Status: Married.

Nationality: Sudanese.

Mobile no.:   (+249) 912444589, (+249) 900926050 . (+249)111222889

Email: hasanalnuaman@hotmail.com

ACADIMIC QUALIFICATION

SUDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY. KHARTOUM, SUDAN
B.SC (Honours) of ELECTRICAL ENGINEERING (Power & Machines). August 2008.

SKILLS AND TECHNICAL CAPABILITIES

I- Skills

- o **Personal Skills**

    - Ability to be involved effectively within interdisciplinary teams.

    - Ability to work efficiently under stress.

    - Keen to develop my understanding and acquire new skills through employment.

- o **Computer Skills**

    - Good knowledge and experience in Computer applications (Microsoft Windows, Microsoft Office and Internet).

II- **Technical Capabilities**

- Excellent Knowledge and experience in Power System Operation and EMS in the following applications:
- SINAUT Spectrum (published by Siemens, Germany).
- OPEN 3000 (published by NARI-TECH, China).
- Good knowledge of how to restore black out , partial black out ,isolated areas
- Dealing with fault recorder (BEN32 Fault recorder, sag fault recorder) and analysis of disturbance, analysis of blackout and network split
- Dealing with NEPLAN programs.
- Dealing with PSSE programs.
- Dealing with MESSAGE programs.

Programming Languages

- - Good knowledge and experience in the following programming languages:
- -Matlab
- -Visual Basic
- - C
- - C++

TRAINING

From: October 20, 2009   To December 10, 2009.

Trainer: National Electricity Corporation training Center (SUDAN)

Training Title: Basic training - New Engineers

From: December 25, 2010   To January 31, 2011.

Trainer: NARI Technology Development Co. Ltd -CHINA

Training Title: Open 3000 EMS Application

From: April 25, 2012   To April 19, 2012.

Trainer: Mr Busarello

Training Title: Network Planning program (NEPLAN) .

From: August 12, 2013   To August 31, 2013.

Trainer: National Power Training Institute (NPTI), INDIA

Training Title: DTS .

From: MAY 12, 2014   To August 31, 2014.

Trainer: National Power Training Institute (NPTI), INDIA

Training Title: POWER SYSTEM OPERATION .

From: April 3, 2015   To April 19, 2015.

Trainer: Mr Busarello , NEPLAN ,ZURICH ,Switzerland

Training Title: Network Planning program (NEPLAN).

From: April 3, 2017   To April 28, 2017   .

Training Title: Power System Simulator for Engineering (PSSE).

From: November 21, 2016   To December 2, 2016.

Trainer: International Atomic Energy Agency (IAEA)

Training Title: Finalizing Sub-Regional Power Study For Eastern Africa.

From: February 2, 2017   To February 17, 2017.

Trainer: NARI Technology Development Co. Ltd -CHINA

Training Title: EMS Application .

From: October 29, 2018   To November 23, 2018.

Trainer: NARI Technology Development Co. Ltd -CHINA

Training Title: DTS .

WORKING EXPERIENCE

From: December 10, 2009   To: May 3, 2010.

Employer: National Electricity Corporation, Sudan (NEC).

Job Title: Electrical Engineer

Job Description: 5-months rotation training in the NEC's departments.

From: May 3, 2010   To: May 30, 2011

Employer: National Electricity Corporation, Sudan (NEC)

    National Load Dispatch Centre (NLDC)

Job Title: Real time Operation Engineer .(Assistant Engineer)

From: May 30, 2011   To: Jan 10, 2015

Employer: National Electricity Corporation, Sudan (NEC)

    National Load Dispatch Centre (NLDC)

Job Title: Real time Operation Engineer .(Senior Engineer)

From: Jan 10, 2015   To: Now

Employer: National Electricity Corporation, Sudan (NEC)

    National Load Dispatch Centre (NLDC)

Job Title: Studies &Operation Planning Engineer .

TASKS &RESPONSIBILITIES:

- **Network Modelling:** Data entry of network components in operating system, NEPLAN &PSSE programs.

- **Load Flow:** used to calculate the Current /Power flow and Bus bars voltages of all elements of the network at certain operational state, in order to evade any possible Overloading on both Transformers and Transmission Lines.

- **Contingency Analysis:** Evaluate Power Systems robustness by disconnecting one element **"N-1"** at a time and monitoring of overloading or Voltage Violation.

- **Short Circuit Analysis:** It's intended to calculate all short circuit currents in all element across the network in case of fault happening while applying different operational scenarios.

- **Stability:** Steady state Voltage Stability, Transient Stability, Small Signal Stability, Dynamic Simulation

- **Optimal Power Flow:** It's intended to study loads flow aiming to reduce active/reactive power system losses, reduce generation cost, and reduce power purchase cost by defining a set of constrains as desired.

- **Load Frequency Shedding:** Continuous evaluation of load frequency shedding scheme.

- **Fault Recorder:** Data entry of new substation on Ben32 ,analysing unceasingly the recorded faults to assure the suitability of installed protection system .

REFERENCES:

- **Eng. Tariq Khalifa**

  Manager of National Load Dispatch Centre (NLDC) in the Sudanese Electricity

  Transmission Company ltd. (SETCO), Tel.+249912353215

  nldcmanager@necsudan.com

- **Eng. MOHAMMED KHALID HASSAN**

  Saudi Electricity Company. Tel.+966580205318

- **Eng. SAMEIR ABD ALRAHMAN**

  Saudi Electricity Company. Tel.+966556170267.