C.V.

Haitham Zakaria Mahmoud El-Nakhal
16th El-Sheikh Ali Youssef St.-Kasser El-Eni.
Cairo, Egypt.
Mobile: (+2) 0100-608-7150.
E-mail: hytham@tra.gov.eg

Education:

- **Master of Business Administration, Nile University, 2012 [GPA: 3.59]**
- **Information Technology Diploma (Computer Networks), 1999**
  From: Information Technology Institute, Cairo, July 1999, (**ITI-Egypt**)
  Project Accomplished in ITI: NetSpector
  Project Subject: Developing software that introduces the most used TCP/IP utilities in a very simple and visual interface.
  Tools Used: Java language through both JDK1.2 and Oracle Java Developer.
- **Bachelor of Electronics & Communication Engineering , 1998**
  From: **Cairo University**, June 1998, Electronics &Communications Dept.
  Grade: Good
  Graduation Project: Image Processing; a video card design & implementation in addition to driver s/w for video card & special s/w applications.
  Role in Project: H/W & S/W Design and Implementation.
  Project Grade: Distinguish.

Certificates & IT Skills:

- **Internet Governance Diplomatic course:** DiploFoundation Advanced Internet Governance capacity building certificate, July 2009
  http://www.diplomacy.edu/Diplo/default.asp
- **Cisco Courses by Synergy:** CVOICE, CIPT/IPTT, QoS/DQoS, Content Switching, and MPLS, June-August 2005.
- **3Com/Huawei Advanced Routing:** RIP, OSPF, BGP, and MPLS, November 2004.
- **ZTE CDMA2000 1x Certified.** Course in NTI-ZTE training center, Jan.2004.
- **Lucent wireless Certified (GSM, CDMA, GPRS, UMTS):** Course in NTI by Lucent, July 2003.
- **Symantec Firewall Administration & Adv. Administration Course:** OMS, April 2003.
- **Cisco Secure PIX Firewall Advanced "Hands-on" Course:** SEE, July 2003.
- **CCNA™ Certified.** (Cisco Certified Network Associate) May2000.

- **CCNP Course:** NTI (National Telecommunications Institute) by Synergy, Oct.2000.
- **ATM course:** at Giza systems, 1999.
- **Frame Relay course**: at EgyptNet, 1998.
- **IT Courses covered in ITI:** Computer Networking, TCP/ IP Concepts and Implementation, LAN & WAN, Design & Implementation, ATM Switching, Frame Relay, Network Security.
- **Radio& Television principals Training:** NEC Company (Egypt branch), 1996.
- **Maintenance center Training:** IBM (Egypt branch), 1994.
- **Operating Systems:** Dos, Ms Windows 3.x, 95,98, WinNT workstation (4.0), WinNT Server (4.0), Win2000, WinXP, Novell Netware 3.12 & Unix (Sun Solaris10)**.**
- **Others:** Very Good knowledge with MS-office, MRTG, and MSVisio.

CURRENT OCCUPATION:

> **March 2006, NTRA;**
> **Senior Manager Internet Policies and Technical Affairs.**

Responsibilities:
- **RIR Policies:** Follow-up and participate in Internet resources policies.
- **Cairo Internet Exchange Point (CAIX):** Operate and manage the Egyptian IXP for class A & class B ISPs. www.caix.net.eg
- **Egyptian IPv6 Task Force:** Technical Team leader of the Egyptian IPv6 task force www.ipv6tf.org.eg
- **مصر ccTLD:** Supervise the pilot project for the Arabic domain names.
- **Broadband Strategy:** Participate in broadband committee to put short-term and long-term plans to increase broadband penetration**, phase1**
- **WiMAX Regulatory Framework:** Participate in preparing the regulatory framework for WiMAX licenses in Egypt.
- **Third Mobile Operator:** Participate in evaluating the technical offers of international bidders for the third mobile operator license (3G) in Egypt.
- **Mobile Number Portability:** Participate in evaluating the technical offers for mobile number portability system.
- **Universal Services:** Participate in preparing Universal services RFP to provide communications facilities for deprived areas in Egypt.
- **Second Fixed Telecommunication Operator:** Participate in preparing the Second Fixed Operator RFP to build and operate a second fixed telecom network in Egypt.
- **Twinning project:** Participate in the twining project between NTRA and Europe Union, as the focal engineer for local loop unbundling and interconnection regulations committee.

➢ **September 2001, Ministry of Communications and Information Technology (MCIT);**
Senior Systems Engineer, Telecom Strategic & Technical Planning Department.

Responsibilities:
- **Free Internet Project:** member in team of 6 engineers for planning, supervision and interacting with Telecom Egypt and ISPs to solve any technical issues.
- **Technology Clubs:** Contributing in tender technical evaluation for establishing Technology clubs (600 clubs) all over Egypt via class C ISP's.
- **Ministry of Supply & Internal Trade Tender:** Design the LAN/WAN, remote access and internal security system for Ministry Buildings (5 Buildings with 1500 node), Writing the RFP & contributing in technical evaluation.
- **Ministry of Foreign Trade:** Design the LAN/WAN, remote access and PBX network for Ministry Buildings (2 Buildings with 3000 node), Writing the RFP.
- **Trade Information Center:** Design the LAN/WAN, and PBX network for Center, Writing the RFP & contributing in technical evaluation.
- **Ministry of Education:** Contributing in tender technical evaluation for connecting 21,000 schools with Ministry HQ & Internet via VPN.
- **Ministry of International Cooperation:** Contributing in tender technical evaluation for LAN/WAN connecting ministry buildings.
- **Ministry of Industry & Technology Development:** Design the LAN/WAN, and internal security system for Ministry Building, and Writing the RFP.
- **General Organization for Industrialize:** Design the LAN/WAN, and internal security system for Ministry Building, Writing the RFP and contributing in the technical evaluation.
- **National Post Authority:** Design the WAN solution to connect 400 post offices all around Egypt with HQ Building in Cairo via class A/B ISPs, and Writing the RFP.
- **Egyptian National Post Office ATM:** Contributing in tender technical evaluation for Asynchronous Teller Machine project to connect post offices all over Egypt with HQ building in Cairo via class A/B ISPs.
- **Arab Contractors:** Contributing in tender technical evaluation for connecting Arab contractors remote offices all over Egypt with HQ Buildings in Cairo via class A/B ISPs.
- **Upper Egypt Electricity Co.:** Design the security solution needed to secure the IT system of the company main building in Cairo and writing the needed security equipment RFP.
- **Smart Village:** Design the LAN/WAN and IP Telephony system for the five governmental buildings, Writing RFP for the LAN/WAN & IP Telephony system specifications and contributing in tender technical evaluation.
- **Damietta Port:** Design the LAN/WAN for Damietta port buildings, Writing RFP for (LAN/WAN) and contributing in tender technical evaluation.
- **Dar El-Tahrir (El-Gomhorya Journal):** Design the LAN/WAN for El-Gomhorya building at Ramsis street, Writing RFP (LAN/WAN & IP Telephone part).
- **National IT Clubs Telecommunications Infrastructure:** Contributing in writing the RFP technical specifications and technical evaluation.

- **Smart Schools Broadband Internet Access project:** Contributing in writing the RFP & technical evaluation for LAN/WAN design & the technical specifications for network active components of 2000 schools all over the country.
- **Ministry of Interior (MoI):** Design network for data & voice (LAN/WAN) to connect the MoI HQ with its branches all over the country, Writing the RFP and contributing in tender technical evaluation.
- **Egyptian Universities and Research centers and Institutes network infrastructure:** Writing the RFP for core and distribution network equipments, and contribute in technical evaluation.
- **Internet2 and Egyptian universities & research centers network:** Contributing in design, writing the RFP and technical evaluation of the WAN network (MPLS) of the Egyptian universities & research centers, and Internet2 gateway.
- **Broadband Power Line Communication (BPL):** Contributing in design, writing the RFP and technical evaluation of first pilot project in Egypt for BPL.
- **Egyptian IPv6 Task Force:** Technical Team leader of Egyptian IPv6 task force
www.ipv6tf.org.eg

➢ May 2001, TEData ISP;
Network Administrator in Core Network Department.

Responsibilities:
- Routing administration: Configure Telecom Egypt Data (TEData) International gateway Router (Cisco 7513) to accommodate all ISP's leased lines transferred from IDSC gateway node to Telecom Egypt Data Gateway node.
- Contributing in the design of Telecom Egypt Data (TEData) Core Network to cover 30 Central Office (POP) to provide Internet Access & PDN services.

➢ August 1999, Information & Decision Support Center (IDSC) cabinet;
Network Engineer in Communications Department.

Responsibilities:
- Administrate & Customer support LAN of IDSC building (Windows workstations and servers, Novell servers, Routers, leased lines &Internet Satellite Link (Interpacket)).
- Operating about 300 dialup lines, through Cisco access servers, AT&T Rack modem, Motorola Rack modem & Radius AAA server.
- Administrate Unix-based mail servers.
- Operating & configuring Cisco routers for about 280 leased lines.
- Administrate & Maintain IDSC's IBM (ROLM) PABX & Nortel PABX.
- Redesign IDSC LAN & Supervision replacement of old LAN (IBM Type1 cables, Hubs & switches) with new Category 6 UTP cables, Gigabit fiber optic backbone with Layer2/layer3 switches.
- Design LAN of TIC (Trade Information Center).

Languages:
- **Arabic:** Mother Tongue
- **English:** Fluent (Written & Spoken)
- **French:** Fair (Written & Spoken)

Personal Data:
- **Date of Birth** : October 14th, 1972
- **Nationality** : Egyptian
- **Marital Status** : Married
- **Military Status** : Exempted