

## **DNSSEC Activities in Africa – ISPs, Registries, and Registrars**

### **Wilson Abigaba**

Wilson is the IT Projects Manager at Orange Uganda. He led IPv6 implementation campaign in Uganda, making Orange the first ISP to implement and connect IPv6 customers in Uganda and also managed its implementation at the Uganda Internet Exchange Point. Previously, we worked for Computer Frontiers, the .ug ccTLD operator, where he helped setup a stable back-end platform, developed the registrar's API and helped implement DNSSEC, making .ug one the first ccTLDs in the world to implement it.

He is also a member of the Non Commercial Users Constituency, where he represents Africa on the Executive Committee and Vice President of the ISOC Uganda Chapter.

### **Alain Patrick Aina**

Network engineer, M. Aina is very active in technical networking activities in AFRICA. He worked to launch the first full IP services in Togolese Republic in 1996 and helped many entities to do so in West Africa and on the continent in general.

He founded in 1999 a private company, which provides network and training services to boost Networking and Internet services deployment on the continent. <http://www.trstech.net>  
AFNOG founder and instructor since 2000, he leads many Internet related projects and activities for the good of the local community.

Since November 2006, he works as “special project manager” at AfriNIC, a half time activity, which includes various projects (DNSSEC, RPKI, root server Anycast....), training, and IETF activities for the RIR. He served from June 2008 to December 2008 as acting CTO and Acting CEO from March 2011 to August 2011.

He also works for NSRC on various projects, supporting networking activities, trainings as part time work.

He serves since 2002 as ICANN Stability and Security Advisory committee (SSAC) and as Internet Society Board of trustees 2011-2014

He serves as Crypto Officer for Root KSK, East Cost facility.

### **Simon Balthazar**

Simon Balthazar is the Technical Contact for .tz ccTLD at Tanzania Network Information Center (tzNIC), a registry of .tz domains. He has been with tzNIC since its humble beginning in 2008 where he played a key role in the redelegation and migration of .tz domain. He has extensive knowledge and experience in Domain Name System and its related technologies. Simon championed the first deployment of IPv6 in Tanzania and most recently deployment of DNSSEC at the .tz registry. He actively contributes both locally and regionally as one of the resource persons for AfTLD where he participates in training engineers from other emerging ccTLDs in Africa. Prior to joining tzNIC, Simon worked in the telecommunication industry with Tanzania Telecommunication Company Ltd. and Vodacom Tanzania Ltd. Simon holds a Bsc. in Information Systems and Technology from the United States International University (USIU) and is currently undertaking an Executive MBA from the Maastrich School of Management and Eastern and Southern Africa Management Institute.

### **Mouhamet Diop**

Mouhamet Diop is the CEO of [NEXT SA](#), an innovative consulting company in Senegal (West Africa).

Prior to joining NEXT SA, he worked for SONATEL (the Senegalese National Telecom Company) from 1993 to 2001. He served as the Data Network Manager and built the biggest IP-Based network in West Africa.

Mouhamet Diop holds a Bachelor of Science degree in Physics and Chemistry from University Cheikh Anta Diop, and a Ph. D. Certificate in Computer Science "Parallelism and distributed Systems" from University of Rennes (IFSIC). He also holds an MBA in Finance from [ESSEC](#) (Ecole Superieure des Sciences Economiques et Commerciales) at Cergy in France in 1993. He graduated from [ENST de Bretagne](#) in Telecommunications Engineering: "Computer Science and Networking" France, and holds a telecom engineering degree from ESMT Dakar obtained with highest honours in 1990.

Mouhamet Diop is the Permanent Secretary of ISOC Senegal Chapter and Telecom Society. He is also an ITU, UNIDO expert for the development of Telecommunications and ICTs in developing countries.

He is involved in the Afrinic process to set up a new emerging RIR and in the IDN committee.

He was selected for the ICANN Board by the Addressing Support Organization. His term ended in 2006, six months after the conclusion of ICANN's annual meeting in 2005.

### **Mark Elkins**

Mark was born and educated in the UK. He attended Queen Mary College (London University) from 1979 to 1983. From that very first day at university – Mark has been working on Unix based computer systems. He moved to South Africa in 1984.

After twelve years at Olivetti Systems and Networks, he started his own company (Posix Systems – an Internet Service Provider) and has been involved in Computer Communications since 1986.

He acquired the administered of the "CO.ZA" Domain name administration system on behalf of UniForum S.A. from 1995 and remains their Technical Director.

He is very active in the Internet Industry around Africa, involved with AfriSPA (teaching ISP's how to form IXP's (Internet Exchange Points), does a lot of DNS Teaching on behalf of UniForum SA and is also very involved with AfriNIC.

He became CCIE (Cisco Engineer) No.1992, 6 June 1996. (10th in Africa) Running IPv6 at Posix Systems since January 2007. He has completed various FoT (Fibre Technician) courses, including Design and FTTH in July 2011.

He has been involved in various Internet governmental forums and gave IPv6 based presentations at the 2009 IGF (Internet Governance Forum) in Egypt. He now sits on the (Dept. of Communications) South African IPv6 Task force committee.

He is a Member of the IoD (Institution of Directors) 2011 and has completing their "Being a Director" courses.

Current Directorships include:

AfriNIC – Vice Chair, Uniforum SA (founder), Posix Systems (Owner), Domain Name Services and various other organisations (Die Wilgers Home Owners Association, Wapadrand Office Park - Chair)

Current dream: Currently planning to roll out Dark Fibre and FTTH from Johannesburg to Messina!

Hobbies include SCUBA Diving (NAUI Instructor).

In particular, at UniForum, Mark is deeply involved in the dotAfrica project, that is, to run the '.africa' gTLD domain.

### **Eberhard Lisse (Abbreviated CV)**

Managing Partner, Namibian Network Information Centre (cc) (NA-NiC), the .NA country code Top Level Domain Manager (<http://www.na-nic.com.NA>) and member of the country code Names supporting Organization, (ccNSO), Internet Corporation for Assigned Names and Numbers, (ICANN) Chair, ccNSO Technical Working Group, (<http://ccnso.icann.org/workinggroups/techwg.htm>), organizing the TechDay during the ICANN meetings held three times a year.

Member, Framework of Interpretation Working Group, (ccNSO). Past member, Delegation, Re-Delegation and Deletion Working Group, (ccNSO), Framework of Accountability Working Group, (ICANN) and Deletes Task Force, (GNSO) (all completed) Domain Ombudsman, .GG and .JE. Member, International Advisory Board: .PR

Founding Vice Chair, Namibian Internet Development Foundation (NAMIDEF), an Association not for Gain, connecting Namibia to the Internet in 1995, on a non-profit basis, the only developing country to achieve Internet connectivity without outside funding Founding Director, Namibia Medical Society (NMS) (Section 21 Company not for Gain), Founding Medical Director Emeritus, Women and Child Protection Branch, Namibian Police

Registered .NA in 1991, the third African ccTLD to be registered (after .ZA and .EG). Set up the corporate structure for the Domain Manager (NA-NiC), Registry Operator (Omadhina Internet Services) and Registrar (jOndis Internet Services, now remains only a Legacy Registrar). Implemented the first automated Domain Name Register in Africa (<https://swakop.omadhina.co.na>). Implemented the Domain Name System Security Extensions (DNSSEC) 2009 (first in a developing country) Conducted Network Administrators' courses on UUCP & TCP/IP in Nigeria April 1993, Senegal, December 1995, Swaziland, December 1996 and Kenya, February 1997.

### **Vika Mpisane**

Vika is the General Manager of the .ZA Domain Name Authority (ZADNA) - South Africa's ccTLD Manager. He is a former Chairperson of Africa Top Level Domains (AfTLD), which he led between 2009 and 2012. He is also one of the 3 African councillors in the ccNSO and is currently in his 2nd 3 year term in the council. In the ccNSO council he is a member of the ccNSO Meetings Program WG and Finance WG. He is involved as an ex officio member of the dotAfrica Steering Committee, and is involved in the applications for, and launch of, the dotCapeTown, dotDurban and dotJoburg gTLDs. He is an active ICANN participant since 2006, and is driving the soon-to-be-launched .ZA DNSSec deployment program."

### **Nii Narku Quaynor**

Nii Quaynor is the At-Large Director of ICANN chosen from the African region in the October 2000 At-Large voting process. He served until 26 June 2003. He has played an important role in the telecommunications industry in West Africa by introducing Value Added Networks in the region through the introduction of the SWIFT, Internet and Commerce networks whilst building human resources across the continent. He is Chairman and Chief Executive Officer of Network Computer Systems

He established the computer Science Department at the University of Cape-Coast in Ghana. He also is a member of the United Nations Secretary General Advisory Group on ICT, Chair and of the OAU Internet Task Force, Chairman of the AfrinIC, member of the Worldbank Infodev TAP, member of the ITU Telecom Board, President of the Internet Society of Ghana, and member of the Council of the University of Ghana.

He received a B.A. in engineering science from Dartmouth College in 1972 and received a Bachelor of Engineering degree from Thayer School of Engineering in 1973. He obtained M.S. and Ph.D degrees in Computer Science in 1974 and 1977 respectively from State University of New York at StonyBrook.