

Africa IETF Initiative

Lightning Talk @AfPIF 2016



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Presentation title – Client name

SNMP

SSH

BGP

ICMP

OSPF

IPv4

FTP

IMAP

NAT

SPF

DNSSEC

TCP

DNS

IPv6

TLS

POP

HTTP

DHCP

HTTPv2

UDP

SMTP

Internet Engineering Task Force



I E T F[®]

<http://ietf.org>

What is the IETF

- The Internet Engineering Task Force is a large open international community of network designers, operators, vendors, and researchers concerned with the evolution of the Internet architecture and the smooth operation of the Internet.
- The actual technical work of the IETF is done in its working groups,
- **GOAL: To make the Internet work better**

- **Open**
- **Participation**
- **Technical**
- **Competence**
- **Rough Consensus**
- **Volunteer Core**



OPEN

IETF and Africa

- Participation by engineers from the African region at the IETF is very low
- There are some from the region who have been following working groups, attended meetings, and even a few who have submitted documents for review
- However, participation is not a high enough level to encourage the IETF to host one of their meetings on this continent

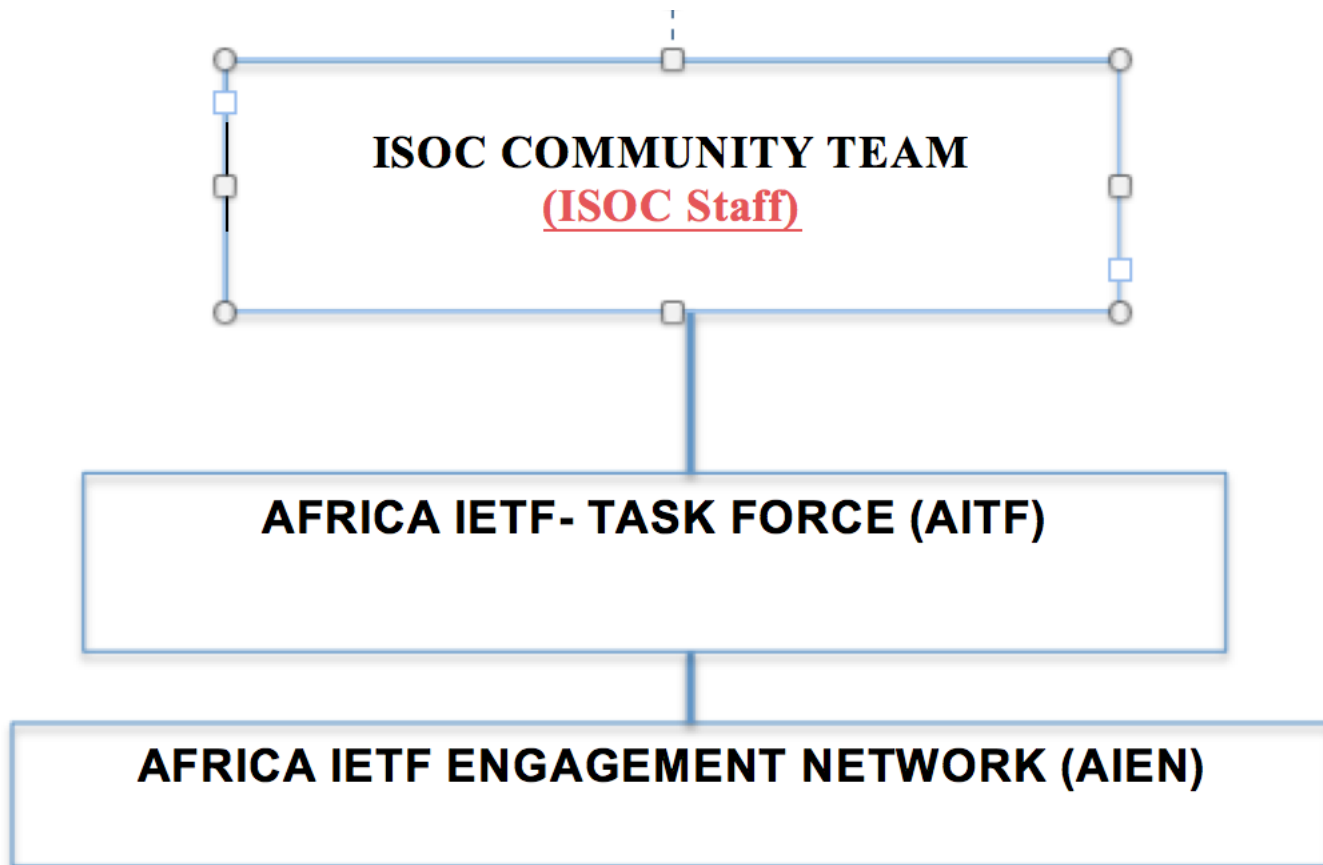
As a result.....

- Low awareness/adoption of some key Internet Standards in the region
- Little research on Internet Standards in the region
- Low participation from the region on how the Internet is evolving
- And sometimes, things don't work like they are supposed to because a service has not been setup in conformance to standards
 - For example, email

Goals and Objectives of the Africa IETF Initiative

- To increase the IETF's visibility in Africa
- To promote open standards on the continent
- Develop a strong community of individuals who contribute to the Internet Standards development process at the IETF
- To host one of the IETF meetings in an African city in the next 5 years.

Structure



How ISOC plans to help you

- Provide you with materials to promote the IETF
- Help co-ordinate viewing hubs on the continent
- Help you find IETF related expertise
 - When possible
- Tell you about what is going on at the IETF and IETF activities happening close to you
- More info the coming weeks (via the mailing list)

A few ISP, IXP, NREN activities

- Provide expertise on IETF related topics in your country
- Support your staff to attend IETF meetings
- Support IETF related events locally
 - Provide a venue and connectivity
 - Provide expertise
- Abide by standards when providing services
- Host an IETF viewing hub or Hackathon
- Join the ietf-africa mailing list and keep the community informed

Hackathon Venue



Are you a Lecturer/Professor?

- Tell your students about the IETF and why its important
- Use IETF materials in your classes
- Promote IETF among ICT Clubs
- Organize IETF hackathons
- Host an IETF Viewing hub
- Join the ietf-africa mailing list
- <https://trac.tools.ietf.org/group/irtf/trac/wiki/Teaching>

Are you a University student?

- Read about the IETF, select the Working Groups that interest you and follow them
- Tell your friends about the IETF and organize related activities
- Join your NOG or (or start one)
- Start a hackathon group and read about what is going on at the IETF Hackathons
- Join the ietf-africa mailing list and tell us what activities you are carrying out and what help you need

Are you a regular Internet user?

- Read about the IETF <http://ietf.org>
- Join a NOG
- Join an ISOC Chapter

The mailing lists

- ietf<underscore>africa@elists.isoc.org [ietf afri
ca@elists.isoc.org](mailto:ietf_afri
ca@elists.isoc.org)
- For the NOGs and NRENS coordinators, there is also separate mailing list as we discuss other activities over and beyond the IETF.
 - If you are a NOG/NREN and not on this list please email me (chege@isoc.org)

Thanks!

- <http://ietf.org>
- <http://irtf.org>
- <https://www.ietf.org/hackathon/>
- <http://internetsociety.org>
- References
 - https://en.wikipedia.org/wiki/List_of_RFCs
 - Photos from [here](#), [here](#) and [here](#)

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