

# AFIX-TF

## TECHNICAL WORKSHOP REPORT (BENIN)

### I. Introduction

The African Internet Exchange Task Force (AFIX-TF) held a one-day decision maker + en-ispas workshop and a two-day technical training workshop in Cotonou Benin at Sobiex Training Center from Tuesday 11 to Thursday 13 October 2005. Trainers: William Stucke, Jean Robert Hountomey, Olivier Nana Nzepa, Eric Osiakwan & Didier Kasole. Report written by Didier Kasole Workshop team leader.

### II. Planned Outcome and Benefit

Participants at the Workshop will be able to establish an ISPA, establish and maintain an Internet Exchange Point. The implicit benefit of the workshop will be to establish technical cooperation between ISPs.

### III. Workshop Structure

#### Day 1 Decision Makers

#### **Session 0: Opening Session** **10:00-10:30**

Introduction by Jacob CEO of Sobiex (localhost). Presentation of Afrispa by William Stucke (AfrISPA chairman).

#### **Session 1: Internet Overview** **10:30-11:30**

This session provides a brief look at the history and current status of the Internet and its architecture, and introduces (or refreshes) some key concepts.

#### **Session 2: Case Studies** **11:30-13:00**

This session presents case studies of three African IXPs to illustrate some of the benefits, as well as some of the pitfalls, of setting up a new IXP in a country where none exists. The three countries studied are Mozambique, South Africa and Kenya. ISPs

#### Day 1 En-ISPA

#### **Session 3: En-ISPA** **15:00-18:00**

After the 3 decision makers sessions, ISPs took the decision to setup an XP as well as to start an ISPA. We took all the afternoon to work on the structure of the association. The interim committee was elected and task distributed for the establishment of the ISPA.

## Day 2:

### **Session 0: Afrispa Introduction**

**9:30-10:00**

William Stucke introduce to participants Afrispa and Catia.

### **Session 1: High-level Oerview**

**10:00-11:00**

Presented by Didier Kasole, this session provides a brief look at the history and current status of Internet and its architecture, introduced some key concepts.

### **Session 2: Technical refresh**

**11:00-12:00**

Presented by William Stucke and Didier Kasole, this session refresh the concepts of static and dynamic routing.

### **Session 2: Router Introduction**

**12:00-13:00**

Presented by Jean Robert Hountomey, this session is a set of exercises on router management and configuration.

### **Session 3: Technical refresh (static & dynamic routing) 14:30-16:00**

Presented by Didier Kasole, during this session participants refresh the concepts of static and dynamic routing and provide several exercises.

### **Session 4: Technical aspects of peering**

**16:15-18:00**

Presented by Jean Robert Hountomey and Didier Kasole, this session focus more closely on how to set up peering, give more detail on BGP parameters and configuration.

## Day 3:

### **Session 4: Technical aspects of peering (continued) 09:30-16:30**

**(Included tea break )**

Presented by Jean Robert Hountomey and Didier Kasole, this session focused more closely on how to set up peering, give more detail on BGP parameters and configuration.

### **Session 5: Final Exercise and Wrap**

**16:30-17:30**

Presented by William Stucke, during this session participant explores the strategic and financial role of peering in an ISP strategy, though playing the Peering Game developed by WB Norton.

## **IV. Participants attendees**

<b>Name</b>	<b>Organization</b>	<b>e-mail</b>
Megnigbeto Juste	Eit	<a href="mailto:justem@serv.eit.bj">justem@serv.eit.bj</a>
Kllise Unity	Eit	<a href="mailto:uni@serv.eit.bj">uni@serv.eit.bj</a>
Aguiah Felix M	Sobiex	<a href="mailto:faguiah@sobiex.bj">faguiah@sobiex.bj</a>
Agossun Anicet	Sobiex	<a href="mailto:aanicet_99@yahoo.fr">aanicet_99@yahoo.fr</a>
Amuzu Stephan	Firstnet	<a href="mailto:samuzu@firstnet1.com">samuzu@firstnet1.com</a>
Martin Jonas	Firstnet Benin	<a href="mailto:jonas@firstnet1.com">jonas@firstnet1.com</a>
Dansou Epiphane	Telcoms	<a href="mailto:edansu@opt.bj">edansu@opt.bj</a>
Akinocho Jacob	Sobiex	<a href="mailto:jakinocho@sobiex.bj">jakinocho@sobiex.bj</a>
Carlos Galley	Iservices	<a href="mailto:cgalley@iservices.tg">cgalley@iservices.tg</a>

## V. Workshop Evaluation

In general, the assessments were favorable, 100 % of participants were very satisfied by the workshop.

	All 7 participants out of 9 completed the evaluation forms	
On the Question: How useful did you find the workshop?	Very useful	7
	Somewhat useful	
	Not useful	
On the Question: How did it match your expectations? (Were the aims communicated in advance?)	Exceeded	3
	As expected	4
	Below	

### ***Individual session evaluations and trainers evaluations***

#### **Session 1: Overall introduction**

Trainer's name: Didier Kasole

Please rate the following on a scale of 1 to 5:

	5 = Excellent, 4 = Good, 3 = Average, 2 = Poor, 1 = Very poor
Presentation skills	3.50
Presentation content	4.00
Handouts	3.86
Overall	3.86

Comment: Too short

#### **Session 2: Cost savings exercise**

Trainer's name: William Stucke & Didier Kasole

Please rate the following on a scale of 1 to 5:

	5 = Excellent, 4 = Good, 3 = Average, 2 = Poor, 1 = Very poor
Presentation skills	3.63
Presentation content	3.86
Handouts	4.14
Overall	3.83

Comment: more info about formulas used in the spread sheet

### Session 3: Technical refresher: static & dynamic routing

Trainer's name: \_\_\_Didier Kasole\_\_\_

Please rate the following on a scale of 1 to 5:

	5 = Excellent, 4 = Good, 3 = Average, 2 = Poor, 1 = Very poor
Presentation skills	3.75
Presentation content	4.13
Handouts	4.13
Overall	3.86

Comment: more exercises

### Session 4: Technical aspects of Peering

Trainer's name: \_\_\_Jean Robert Hountomey\_\_\_

Please rate the following on a scale of 1 to 5:

	5 = Excellent, 4 = Good, 3 = Average, 2 = Poor, 1 = Very poor
Presentation skills	4.13
Presentation content	4.38
Handouts	4.50
Overall	4.29

Comment: interesting exercises, well done

### Session 5: Technical aspects of peering :setup an IXP

Trainer's name: \_\_\_Jean Robert Hountomey\_\_\_

Please rate the following on a scale of 1 to 5:

	5 = Excellent, 4 = Good, 3 = Average, 2 = Poor, 1 = Very poor
Presentation skills	3.17
Presentation content	3.33
Handouts	4.17
Overall	3.60

## Session 6: Policies

Trainer's name: \_\_\_ William Stucke & Didier Kasole \_\_\_

Please rate the following on a scale of 1 to 5:

	5 = Excellent, 4 = Good, 3 = Average, 2 = Poor, 1 = Very poor
Presentation skills	2.67
Presentation content	3.67
Handouts	3.67
Overall	3.33

## Session 7: Final exercise and Wrap

Trainer's name: \_\_\_ William Stucke & Didier Kasole \_\_\_

Please rate the following on a scale of 1 to 5:

	5 = Excellent, 4 = Good, 3 = Average, 2 = Poor, 1 = Very poor
Presentation skills	3.83
Presentation content	4.00
Handouts	3.60
Overall	4.00

## Overall Workshop Evaluation

How did you find the length of the workshop?	Too short	50%
	About right	50%
	Too long	0%
How did you find the pace of the workshop?	Too slow	14%
	About right	67%
	Too fast	33%
How satisfied were you with the organisation of the workshop?	Not satisfied	0%
	Somewhat satisfied	0%
	Very satisfied	100%
Any other comments? <ul style="list-style-type: none"> <li>• Very satisfy. Would like to see this kind of initiative in more African countries to reduce the digital divide</li> <li>• In the future, more time, e.g. 3 days</li> </ul>		

## VI. Conclusion & follow up

After the previous workshop only 36% , 86% of participants was very satisfied, at this workshop it is increased to 100%. The length was a big problem , 50% of participants find the workshop too short, we need to think on the length by introducing evening session or add one more day. Olivier was one day late maybe because of bad communication with team en-ispas team leader, itinerary of all instructors need to be check at least one week before the workshop.

After Decision maker session, ISPs made decision to start an ISPA and setup interim committee. Sobiex offer facilities to host the IXP.