



Telecommunication Development Bureau (BDT)

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Administrations of ITU-D Member States,
Regulators and ITU-D Sector Members of the
English speaking countries in Africa

Subject: **ITU Centres of Excellence Network for Africa - Distance learning course on "Broadband" for English speaking countries in Africa, 27 June - 5 August 2011**

Dear Sir/Madam,

On behalf of the International Telecommunication Union (ITU), we would like to invite you to participate in the distance learning course on "Broadband" for English speaking countries in Africa, to be conducted **from 27 June to 5 August 2011**. This course is organized jointly by the ITU and **Telkom Centre for Learning (CFL), Johannesburg, South Africa**.

This distance learning course is part of the capacity building partnership between the ITU and Telkom for the delivery of training programmes under the aegis of the Centres of Excellence network for Africa.

This course is targeted at managers, engineers and employees from regulators, government agencies, telecommunication companies and academia, interested in learning more about the characteristics, dynamics, trends and status of broadband provisioning and access in Africa.

This distance learning course will provide participants with a clear understanding of the practical implementation of broadband landscape as well as an effective and comprehensive learning on mobile broadband trends in Africa.

This course will also cover a wide range of broadband network topics as follows:

- Current and future broadband landscape in Africa , including a discussion on South Africa as a case study
- African broadband trends with a special country focus on Egypt, Morocco and Nigeria
- Mobile broadband trends in Africa
- Regulatory impact on the future of African broadband provisioning and access
- Current and future plans of broadband enabling providers: Seacom, Telkom SA, Vodacom/Vodafone, MTN.

The course description is attached in Annex 1. Participants are invited to contact the ITU-AFR Coordinator, Diadié Touré (diadie.toure@itu.int) and/or Nico Gibson (gibsonna@telkom.co.za) in order to suggest any additional topics they would like to be discussed during the course.

Please refer to Annex 2 for registration information.

To register for this distance learning course, please complete the electronic registration form available at the ITU Academy portal <http://academy.itu.int/index.php/events> no later than **20 June 2011**.

Additional information on this distance learning course, including the course description, can be found on the ITU Academy Portal at: <http://academy.itu.int/index.php/events>.

We look forward to your active participation and invaluable contribution to this distance learning course.

Yours faithfully,

[Original signed]

Brahima Sanou
Director

Annexes: 2



ITU CENTRES OF EXCELLENCE
Distance Learning course on



“Broadband” for English speaking countries in Africa

27 June – 5 August 2011

Course Description

General Information

- Course Title:** “Broadband” for English speaking countries in Africa
- Course Description:** Africa is the last frontier in terms of connectivity and recent years have seen large expenditure in infrastructure to overcome lack of bandwidth. This is mainly in the form of a large number of undersea consortium cables. African countries and providers are adopting new business models and increasing geographic coverage, while having to consider regulatory change. Competition is forcing a decline in end-user bandwidth costs while introducing new products and services.
- This course looks at a range of African broadband issues and future trends, the impact of regulation, as well as future plans of some large providers and the impact this will have on increasing connectivity on the African continent.
- Developed by:** This distance learning course has been developed by Telkom Centre for Learning (CFL).
- Course date:** 27 June to 5 August 2011
- Course duration:** 6 weeks
- Registration deadline:** **20 June 2011**
- Course code:** 11cAFE122111

Target Population

This course is targeted at managers, engineers and employees from regulators, government organisations, telecommunication companies and academia, interested in learning about more characteristics, dynamics, trends and status of broadband provisioning and access in Africa.

Main Objectives

By the end of this course, participants will:

1. Understand the current and future broadband landscape in Africa
2. Understand African broadband trends through examples in Egypt, Morocco and Nigeria.
3. Be able to describe the mobile broadband trends in Africa
4. Understand the regulatory impact on the future of African broadband provisioning and access.
5. Have a sound knowledge, and understanding the impact of the current and future plans of broadband enabling providers in South Africa, such as: Seacom, Telkom SA, Vodacom/Vodafone, MTN.

Course Schedule

	Module Title	Content
Week 1	Module 1: An Overview	<ul style="list-style-type: none"> • The Internet: <ul style="list-style-type: none"> ○ Definition ○ General description (for non specialists) • Broadband: <ul style="list-style-type: none"> ○ Definition ○ General description (for non specialists) • Mobile Broadband: <ul style="list-style-type: none"> ○ Definition • General description (for non specialists)
		Discussion / Forum
		Self Test
		Module 2: International, African trends with South Africa as a case in point
	Discussion / Forum	
	Self Test	

Week 2	Module 3: The Broadband future: with a focus on Egypt, Morocco and Nigeria	<ul style="list-style-type: none"> • The future built on broadband: a report by the Broadband Commission of ITU (summary of some of the concepts) • Broadband and convergence: challenges (ideas coming from one article published by AHCJET) • Examples of trends: <ul style="list-style-type: none"> ○ EGYPT: current broadband, overview Internet current situation; broadband optimism on the rise ○ MOROCCO: current broadband Overview, 3G broadband growth accelerates; ADSL stalls; Wana switches gear ○ NIGERIA: Nigeria intensifies focus on broadband connectivity, Nigeria broadband market reaches N245 billion, Broadband for Nigeria
		Discussion / Forum
		Self Test
Week 3	Module 4: Mobile Broadband: with a focus on Egypt and Nigeria	<ul style="list-style-type: none"> • Mobile Broadband (ITU-April 2010) • 2010 African Mobile Broadband examples: <ul style="list-style-type: none"> ○ Travels with a mobile phone: mobile broadband in Africa ○ Egypt - Telecoms, Mobile, Broadband and Forecasts ○ Mobile Broadband, a success story in Morocco ○ Nigeria: iBurst Nigeria secures license to operate mobile broadband network • Nigeria: Mobitel inaugurates 4G Broadband
		Discussion / Forum
		Self Test
Week 4	Module 5: Broadband and Regulation	<ul style="list-style-type: none"> • ITU Global Symposium for Regulators (Senegal) • Can competition repeat the “mobile miracle” for broadband? • Regulators worldwide embrace principles of open networks, open access • An example of a public open network.
		Discussion / Forum

		Self Test
	<p style="text-align: center;">Module 6:</p> <p style="text-align: center;">This task will be assigned during the first week of the seminar</p>	<p>Research to be conducted by the participants to determine:</p> <ul style="list-style-type: none"> • The current and future plans of broadband service providers in Africa, such as Seacom, Telkom SA, Vodacom/Vodafone, MTN, and others • The roles of the Governments. • Participants will be grouped into groups of two or three. They will be assigned to research Service Providers or Governments, and tasked to determine and report on the plans of service providers and/or the role of Governments.
		Discussion / Forum
		Self Test

Evaluation

Besides the weekly quiz and their assignment score, participants will be evaluated according to their substantive posts on the discussion forum, active participation in the online chat sessions and other course activities, reflecting both the quantity and quality of time spent on the course. Below are the evaluation schemes:

Quiz #1:	10%
Quiz #2:	5%
Quiz #3:	5%
Quiz #4:	5%
Quiz #5:	5%
Quiz #6:	10%
Final Evaluation:	20%
6 Chat Sessions	10%
6 Discussion Fora (5% per forum)	30%
Total Evaluation:	100%

Important: Grades will be allocated based on the performance.

Course Methodology

- **Course materials:** The Course material will be made available on the website on weekly basis.
- **Discussion Forums:** Discussion forums will be organized based on the weekly content, where students are highly encouraged to participate and interact with instructors and other students. This activity will be evaluated by the tutor and coordinator of the course;
- **Chat sessions:** Chat sessions will be conducted every three days (per module) where discussions would be held with the instructor on a particular topic.
- **Quizzes:** Six mandatory quizzes will be held during the course.

Tutor

The course will be led by Mr. Jaime Herrera Santiesteban (Assessor: Subgerencia Sector Telecomunicaciones, Instituto Costarricense de Electricidad (e-mail: jherrerass@ice.go.cr)).

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ITU CENTRES OF EXCELLENCE

Distance Learning course on

“Broadband” for English speaking countries in Africa

27 June – 5 August 2011

REGISTRATION INFORMATION

Course Coordination

The course will be coordinated by Nico Gibson (gibsonna@telkom.co.za), Diadié Touré (diadie.toure@itu.int) and Boris Williams (boris.williams@itu.int) as technical supervisor as well.

Training fees and payment conditions

A training fee of US\$100 per participant is required to attend this course. Participants will also have to bear the costs for internet access. Bank account details for payment of the fee will be provided to you by Telkom Centre for Learning (CFL), Mr. Nico Gibson (gibsonna@telkom.co.za), upon registration.

Registration

Applications to participate in this course should be made at <http://academy.itu.int> by following the steps:

Step 1: Create an account on the ITU Academy if you have not done it yet by clicking on Create new account in the section **Login** on the left column. After completing the registration form, a message will be sent to your e-mail address with detailed information and with link to complete the registration to the ITU Academy.

Step 2: After having registered by using the link sent to your e-mail address, click on the Course button or use this direct link <http://academy.itu.int/moodle/course/view.php?id=335>.

Note: To confirm that you have successfully logged into ITU Academy, check that your name appears on the top left of your screen.

Step 3: When you are logged in, you will come back to **Course Categories**. Continue to **Technologies and Services** and choose **Distance Learning on Broadband for English African Countries**, the title of the course or simply type <http://academy.itu.int/moodle/course/view.php?id=335> on your browser.

Step 4: When the new window appears, please use this enrolment key 11cAFE122111 to access the e-Learning course.

Please note that online registration should be done **before 20 June 2011**. The course Coordinator will confirm the acceptance of the candidates and will supply with the relevant instructions for participation.