



International Telecommunication Union (UIT)



Ecole Supérieure Multinationale
des Télécommunications

Telecommunication Development Bureau
(BDT)

**Centre of Excellence for French-speaking
Africa**

**École Supérieure Multinationale des
Télécommunications**

**Capacity building project for
telecommunication sector**



Plan of presentation

- Project - missions and objectives
- Training Programme
- Project Partnership
- Activities realised by the project
- Action Plan for 2006
- Conclusion



Project missions and objectives

- Reinforce the telecommunication sector;
- Capacity building for Regulators, Operators, ISPs, Ministries, private sector... etc.
- Organise workshops and seminars;
- Direct Assistance.



Project missions and objectives

The second objective of the project is:

- Develop training programmes for human resources;
- Organise a conference on ICT for African telecommunication sector



ITU Centre of Excellence

ITU sponsors 6 CoE's in the world

3 CoEs in Africa

- ESMT CoE French-speaking countries;
- AFRALTI CoE English-speaking countries;
- CoE Arab-speaking countries;

1 CoE in Latin America

2 CoEs in Eastern Europe



Training Program

- Spectrum management and control frequency;
- Regulation;
- Universal Access;
- New technologies (ADSL, XDSL, VOIP, NGN, MPLS, WIFI, WIMAX, IPV6... etc.);
- Human resource management



Project Partnership

- Institut International des Télécommunications (IIT Canada)
- AIRTEL TELECOM
- Institut National des Télécommunications (Evry - France)
- TEMIC (Canada)
- Rhodes & Schwarz



Workshops in 2005



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	Date and Place	Number of workshops	Number of countries
Marketing in telecommunications	Dakar, March 29-1 April	14	7
Interconnection Negotiation agreements	Kinshasa	25	
Universal Access	Dakar, 26-29 April	9	4
Teletraffic engineering Part I	Dakar, 13 - 17 June	26	
Introduction to VOIP technologies	Dakar 22-30 July	54	9
Economic and Financial Aspects of interconnection	Kigali , 24 - 28 October	32	5
Managing telecom projects	Dakar, 14 - 18 November	30	6
MPLS	Dakar, 29 Nov - 02 Dec	20	5
Technologies XDSL	Lomé, 05 - 09 December	25	
TOTAL		235	
ASSISTANCE NOUVEAU PLAN DE NUMÉROTATION MALI EN 2002 <small>TAF MEETING GUINEA - Conakry</small>			
ASSISTANCE NOUVEAU PLAN DE NUMÉROTATION BENIN EN 2005 <small>March from 28th to 31th</small>			

4/11/2006



Activities realised by the project

COSITU WORKSHOPS

Period	Place	Number of workshops	Number of countries	Observations
January 2004	Dakar	18	7	Regional workshop
May 2004	Burundi	30	National workshop	Direct Assistance
June 2004	Chad	28	1	National workshop
March 2005	Dakar	17	7	Regional workshop – in English
March 2005	Dakar	43	12	Regional workshop – in French
September 2005	Niger	33	7	Regional workshop
October 2005	Kigali	27	4	Regional workshop
March 2006	Bamako	24	National workshop	Direct Assistance
TOTAL		220		

TAF MEETING GUINEA - Conakry
March from 28th to 31th



PARTICIPANT RECOMMENDATIONS

- For competitive companies in a liberalized market costing tariffs are the main keys of development. If the industry would like to be competitive they must manage the cost of their networks by having good calculation models.
- Tariffs of telecommunication services -

the CoE is working on the
implementation of the COST II model



RECOMMENDATIONS FROM WORKSHOPS

For a successful process, all the participants need to know the following:

Reinforce regulation aspects (Interconnection laws) by policies (Ministries of telecommunication sector).

Create in all countries a team in charge of interconnection tariffs. The

interconnection team (Ministry of P&T, Regulator Operator) will be composed



PARTICIPANT RECOMMENDATIONS

Every team will have a national coordinator to ensure success

Necessity to continue the training

- Organise COSITU level 2 (direct assistance for countries)
- COSITU level 3 (direct assistance for operators)



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ACTION PLAN 2006

REGULATION ASPECTS

Items	Date and place	Expertise	Observations
Assistance COSITU	6-10 March 2006, Bamako		Done
Assistance COSITU	May, Guinea, Conakry		
Assistance COSITU	24-28 April, Ivory Coast		
Assistance COSITU	April, Benin		
Regulation of VOIP	29 May–2 June	ESMT - CLARITY	
Regulate interconnection disputes	8-12 May	ESMT - CLARITY	
Regulation and stimulation of competition	July, Lomé	ESMT	



ACTION PLAN 2006

REGULATION ASPECTS

	Date et place	Expertise	Observations
Elaboration of interconnection prices	September, Dakar	ESMT	
Economic and Financial Aspects of interconnection	October, Niamey	ESMT - UIT	
Mobile telecom business simulation	July	INT - Evry	
Knowledge Management – mask method	8–12 May, Dakar	INT - Evry	
ABC method in telecommunications	15-19 May, Dakar	ESMT - KERA	



ACTION PLAN 2006

SPECTRUM MANAGEMENT

	Date and place	Expertise	Observations
Spectrum Management	13–17 March, Bamako	UIT	Done
Spectrum price	24–28 July, Abidjan	UIT	In collaboration with ATCI
Spectrum management	November, Dakar	UIT	
UNIVERSAL ACCESS			
Management of universal service funds	2–5 May, Dakar	UIT	In collaboration with ATCI



ACTION PLAN 2006

NEW TECHNOLOGIES

	Date and place	Expertise	Observations
VoIP Technologies - SIP	June, Bamako	IIT Canada	National workshop
VoIP Technologies - SIP	June, Ouagadougou	IIT Canada	National workshop
Traffic engineering	24-28 April, Dakar	AIRTEL Canada	
Migration towards NGN	September	UIT	
Mobile service network data	4-8 September, Mauritania	SUP Com Tunis	
Broadband access networks: XDSL	25-29 September, Dakar		
SDH technologies : Principles and evolution	24-28 July, Dakar	INT- Evry	



ACTION PLAN 2006

NEW TECHNOLOGIES

	Date and place	Expertise	Observations
WDM and new technologies for optical networks	Septembre, Dakar	INT – Evry	
Technologies CDMA	26–30 June, Paris	FITEC	
Qualification of numeric lines: leased lines, RNIS - ADSL	November, Dakar		
IP & Cyber Security	11-15 September, Dakar	IIT CANADA	
ASSISTANCE			
ASSISTANCE NOUVEAU PLAN DE NUMÉROTATION GUINEE en cours de réalisation			



Conclusion

The Centre of Excellence is a training centre for all the telecommunication sector. The CoE has a pool of international and regional experts available to assist all operators, regulators, service providers, etc.

For the development of the African telecommunication sector we invite all participants to join our training programme.



Thanks for your attention

El Hadji Babacar BA

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