Seminario sobre los aspectos económicos y financieros de las telecomunicaciones Grupo Regional de la Comisión de Estudio 3 para América Latina y El Caribe (SG3RG-LAC)

Regional Seminar on the economic and financial aspects of telecommunications for Member Countries of the Study Group 3 Regional Group for Latin America and Caribbean (SG3RG-LAC)

Lima, Peru, 23-24 Junio/June 2009

Document 4

ITU-D Strategy on Cost Modeling

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Agenda

- A brief summary of COSITU
- Some statistical results
- Code source release and cost model development - training
- Overview of related ITU-D activities



COSITU

COSITU is an ITU-designed software for calculating telephone service costs, tariffs and interconnection rates.

This model is based on principles of enhanced fully distributed costs (FDC), using activity-based costing (ABC) principles.

It adopts the ITU-T's D-series Recommendations on general tariff principles.

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Main users of this model

- Policy-making bodies
- Regulators and public authorities
- Fixed and/or mobile telephony operators and service providers



Costed services

Basic telephone services

- Local/urban
- Trunk/interurban
- International outgoing
- International incoming
- Subregional outgoing
- Subregional incoming

Transit services

- International to international traffic
- International to subregional traffic
- Subregional to international traffic
- Subregional to subregional traffic

Interconnection services

- International to national traffic
- National to international traffic
- Outgoing national traffic
- Incoming national, single transit traffic
- Incoming national, double transit traffic
- National to national traffic



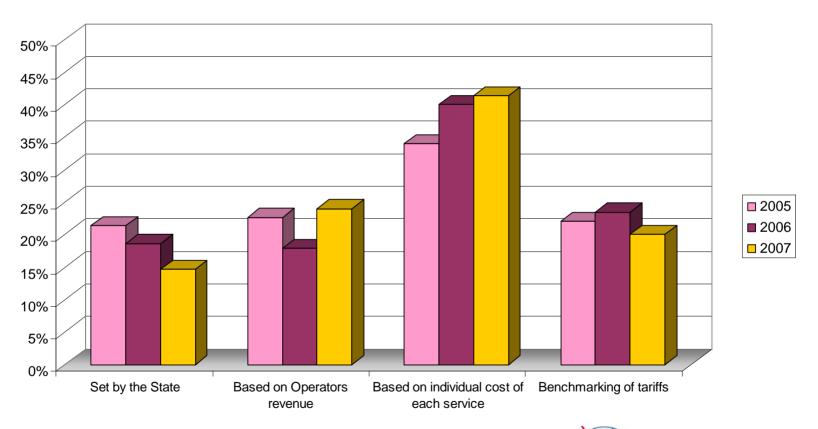
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Some results from the Tariff policies survey...

Determination of Price of domestic telecomm services in the world



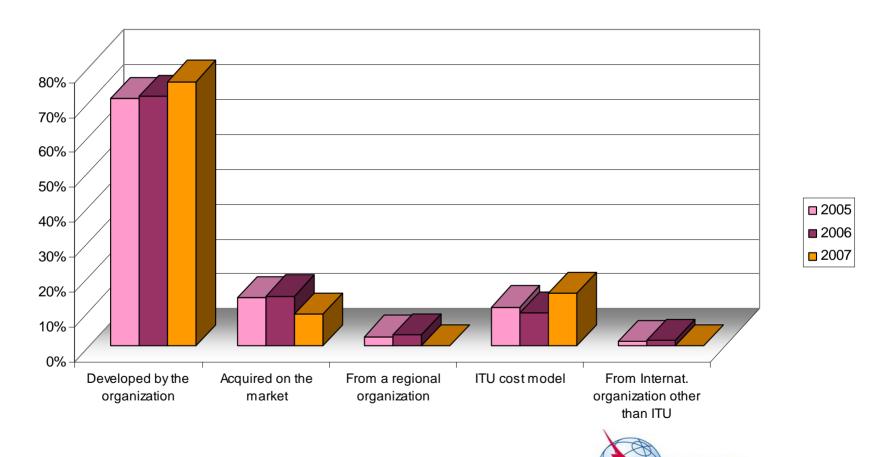
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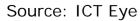
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Type of cost model used for cost-based tariff

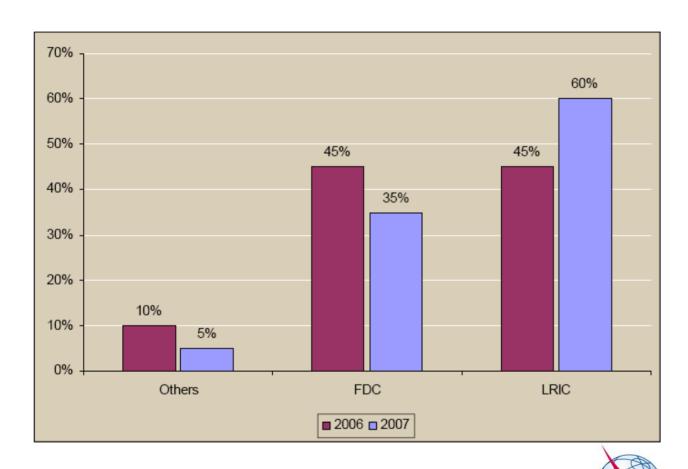




Telecommunication
Union

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Accounting methodologies used by EU-25 in the setting of fixed termination rates

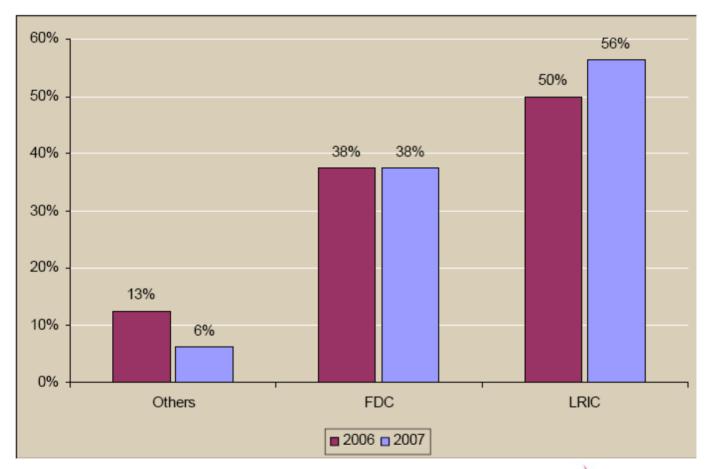




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Telecommunication

Accounting methodologies used by EU-25 in the setting of mobile termination rates





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COSITU Users survey results 2008 Americas

	Question	Belize	EI Salvad or	Pana ma	Domin ican Repub lic	Grena da	Venez uela	Surina me	Parag uay
1	I am a representative of the:								
	Regulatory authority	✓	✓	✓	✓	✓			
	Ministry or decision-making body								
	Fixed-line operator						✓	✓	✓
	Mobile operator						✓	√	
	Other entity								
2	Are you using COSITU in your work?								
	NO	✓				✓	✓	✓	
	Yes, because		✓	✓	✓				✓
	It is useful		✓		✓				✓
	It is not expensive		✓		✓				✓
	I was trained to use it			✓	✓				✓
	I am not aware of other available models								
	Other (please specify)		Not yet applied	COMT ELCA project	It is of great value				11

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Code Source Release...

- Based on the fast changing information and communication technology (ICT) environment
- The difficulty to upgrade COSITU at the same rhythm
- The increasingly use of other models developed by private firms by Regulators
- Tailor-made cost models cost are very expensive
- ITU limited resources to develop this type of model

Code Source Release...

- ITU is preparing the release of the source code of COSITU to National Regulatory Authorities
- This code source release will be available soon in a protected website, permitting a discussion forum and the exchange of new developed versions
- This release will include Terms of Reference and Technical specifications for the upgrading of the software taking into account new regulated services developed by BDT

Cost model development

- In 2008, ITU developed a two-week indepth training course on cost model development, including long run incremental cost models (LRIC) to keep pace with technological and market developments
- In addition of a two-day Executive-Level training event designed for Heads of Regulatory Authorities on the strategic impact of cost models

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Objective

 To provide technical staff from Regulatory Authorities with sufficient cost modeling tools and knowledge to enable them to understand how to develop their own cost models or to adapt existing cost models to the changing environment

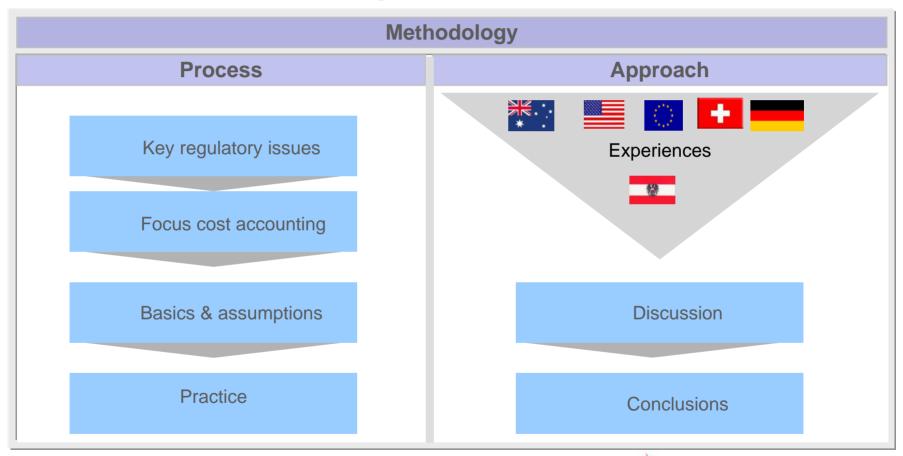


The focus

- Analyze and describe in detail the different costing methodologies applicable to telecommunications/ICT (e.g. LRIC, LRAIC, FDC, ABC, etc.) and showcase alternative methods of price regulation (such as benchmarking, price cap, accounting separation, etc.);
- Provide a detailed presentation of existing available cost models (e.g. COSITU, World Bank Model, EU model) as well as some private enterprises cost models examples;
- Provide participants with a concrete step-by-step check list to determine which method and methodology to apply in accordance with their national context;
- Explain the importance of the data collection process: how to collect the data!!!



The methodology is based on practice and experiences



This training will be replicated in 2009

In regional training in coordination with the Centres of Excellence in local languages:

- Africa: In English for English-speaking African countries in Lesotho, 6-10 July 2009
- In French for French-speaking countries in Senegal, December 2009 (tbc)
- Arab States: In English and Arab in coordination with the Arab League of Regulators in Syria, 11-15 October 2009
- Asia and Oceania: In coordination with the ASP CoE in Thailand, 10-15 November 2009



In Americas, the training will be more complex

For Latin American countries

- ➤ ITU Expert-Level Training for on cost modeling for Latin American Countries

 Buenos Aires, Argentina, 14-19 September, 2009
- ➤ ITU Training on Regulatory Accounting for Latin American Countries Buenos Aires, Argentina, 21-23 September, 2009

For The Caribbean

▶ ITU Expert-Level Training on cost modeling for The Caribbean In coordination with the University of West Indies February 2010



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Other ITU-D related activities

- International mobile roaming
- The impact of international gateway liberalization
- Regulatory accounting Guide
- Efficient Network implementation Guide
- NGN Interconnection and access case studies
- Mobile termination rate study
- And other interesting regional studies published in the ITU-D finance website



www.itu.int/ITU-D/finance/

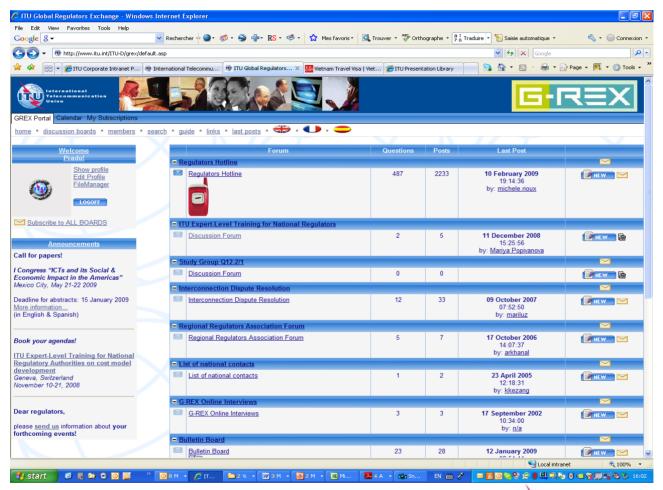




ICT Regulation Toolkit

- Module 1: Regulating the Telecommunications Sector: Overview
- Module 2: Competition and Price Regulation
- Module 3: Authorization of Telecommunication/ICT Services
- Module 4: Universal Access and Service
- Module 5: Radio Spectrum Management
- Module 6: Legal and Institutional Framework
- Module 7: New Technologies and Impact on Regulation

Global Regulators' Exchange



www.itu.int/ITU-D/grex/



ICT Eye Database

- ICT Statistics
- Regulatory Information
- Tariff Policies
- Scientific Institutions
- WSIS Stocktaking





For more information on cost and tariffs in ITU-D

- Telecommunication Development Bureau
 - www.itu.int/net/ITU-D/
- Regulatory and Market Environment Division
 - www.itu.int/ITU-D/treg/
 - www.itu.int/ITU-D/finance/
- The Global Symposium for Regulators GSR
 - www.itu.int/ITU-D/treg/Events/Seminars/GSR/GSR08/
 - www.itu.int/ITU-D/treg/bestpractices.html
- TREG www.itu.int/ITU-D/grex/
- COSITU www.itu.int/ITU-D/finance/COSITU/
- ICT Eye www.itu.int/ITU-D/ICTEYE/
- ICT Regulation toolkit
 - www.ictregulationtoolkit.org/
- Trends in Telecommunication Reform
 - www.itu.int/ITU-D/treg/publications/



THANK YOU!

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