

			<b>Learning Information Networking Knowledge</b>
			Wits University Graduate School of Public and Development Management

Faculty of Commerce, Law and Management  
University of the Witwatersrand, Johannesburg

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**Certificate in Telecomms Policy, Regulation and Management**  
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This course commences in May 2009.

The Certificate in Telecommunications Policy, Regulation and Management is offered by the LINK Centre, School of Public and Development Management, University of the Witwatersrand - Southern Africa's leading research and training body in the field of information and communications technology policy, regulation and management. It provides an essential background to understanding regulatory and policy issues and challenges in the rapidly changing telecommunications and broadcasting sectors.

Spread over three week-long sessions between May and July 2009, skilled and experienced staff at the LINK Centre, School of Public & Development Management, University of Witwatersrand, supported by an extensive panel of guest lecturers, each an expert in their field, will help you get to grips with the landscape in the ICT sector.

**Significance**

The course is designed to unpack the constantly evolving issues and challenges inherent in South Africa's fast changing and dynamic ICT sector. These changes - driven by rapidly developing technologies, by the evolving legal and regulatory environment and by the emergence of new markets, services and applications - give rise to increased demands for training and information. The advent of convergence and globalisation intensifies the ongoing challenges faced by professionals in the sector to remain abreast of both local developments and international trends and practices.

**Who should attend?**

Decision-makers and senior policy-makers in the Department of Communications, ICASA and USAASA, managers and regulatory staff in industry (including service providers, new and established operators, and suppliers), bidders for new ECNS and ECS licences, broadcasters and signal distributors, lawyers, consultants, journalists, union officials and NGOs involved in the sector.

**Objectives**

By the end of the course, the successful student will be able to:

- grasp how key information and communications technologies operate, and the policy implications of these technologies;
- assess current market trends in the ICT sector, both globally and nationally;

- demonstrate an understanding of ICT sector reform and its implications for national policy and regulation, including the impact of globalisation and convergence;
- explain the approaches to ICT sector policy and regulation adopted nationally, regionally and globally;
- demonstrate an understanding of the policy and regulatory environment for the telecommunications and broadcasting industries in South Africa;
- critically compare the South African ICT environment with international models and best practice benchmarks;
- describe the structure and process of policy formulation, regulatory oversight and licensing procedures in South Africa.

### **Content Overview**

A Certificate in Telecommunications Policy, Regulation and Management is awarded to candidates who attend the following three modules (120 hours) and who successfully complete the required individual and syndicate assignments. A certificate of attendance is awarded to participants who attend all three modules, but who do not complete the required assessment.

### **Module 1: ICT Technologies and Markets**

- The evolution of basic telecommunications technologies: the PSTN and its underlying technologies;
- Wireless communications: fixed & mobile wireless, WLL, GSM, 3G, CDMA, satellite, WiFi, WiMax, Bluetooth, mobile broadband;
- Spectrum, its planning and management, and the assignment of frequency;
- Numbering and numbering plans, number portability, carrier pre-select, eNum;
- Signal distribution, and broadcasting technologies;
- Internet, VoIP, VANS & the NGN;
- Telecommunications market trends, developments & drivers;
- Broadcasting market trends, developments and drivers, and the migration to digital broadcasting;
- Internet and broadband market trends, developments and drivers;
- Convergence, multimedia, the NGN & the future of communications.

### **Module 2: International ICT Trends, Organisations & Developments**

- Globalisation, the knowledge economy and the information age;
- Global trends in regulatory reform: liberalisation, privatisation, regulation in a converging environment;
- Global e-governance: structures, institutions and global obligations (ITU, WTO, WIPO, GATS, ICANN);
- Regional developments in telecommunications regulation: SATCC, CRASA, ATU, NEPAD;
- National responses to the global information economy: e-commerce in South Africa;
- ICT and labour;
- ICT and gender;
- Information and communications technologies and development (the digital divide, ISAD, GK, dotForce, UN ICT TT, WSIS, ICT4D);
- Universal access and universal service.

### **Module 3: Telecommunications and Broadcasting Policy, Law and Regulation**

- The SA Constitution and administrative law;
- ICT sector regulation: rationales, principles, approaches and practices;
- Competition law, and the telecommunications and broadcasting sectors in SA;
- ICT sector reform in SA: overview;
- Legislative, regulatory and licensing framework for telecommunications in SA: institutions, structure, processes and issues;
- Legislative, regulatory and licensing framework for broadcasting in SA: institutions, structure, processes and issues;
- Interconnection, facilities leasing and essential facilities: principles, law and regulation;
- Licensing: the objectives, typology, procedures, content and monitoring of licences;
- Pricing and tariff regulation;
- Quality of service and consumer protection.

#### **About LINK**

The LINK Centre is the leading public policy, regulation and management educational body in the area of information and communication in Southern Africa.

LINK focuses on capacity building in the public sector and development arenas through quality training, applied research and consultancy services necessary to maximise the benefits of the Information Society and the Knowledge Economy.

#### **Methodology**

An interactive and intensive teaching methodology is used, comprised of several learning methods, including lectures, syndicate work, case studies, structured learning group discussions and presentations from local and international experts in the field. In this way participants will develop a strong practical focus directly applicable to their own organisations.

The course is evaluated via one individual and two syndicate assignments. Syndicate assignments are professionally presented to the group and external examiners drawn from government, industry or academia.

#### **Schedule 2009**

TPRM 2009 is a block release course divided into three modules, each running for one week per month. Participants may attend individual modules as stand-alone executive courses.

<b>Certificate in Telecommunications Policy, Regulation &amp; Management</b>		
<b>Module</b>	<b>Title</b>	<b>Dates</b>
Module 1	ICT Technologies and Markets	18 – 22 May, 08:30 - 17:00
Module 2	International ICT Trends, Organisations & Developments	22 - 26 June, 08:30 - 17:00

Certificate in Telecommunications Policy, Regulation & Management		
Module	Title	Dates
Module 3	Telecommunications and Broadcasting Policy, Law and Regulation	20 – 24 July, 08:30 - 17:00

### Fees

R 18 500 (plus VAT) per participant for the full three-week course.

Any individual modules may be taken on its own as an 'executive course' (for which a certificate of attendance is issued) at a fee of R 8 000 (plus VAT) per participant.

A small fee discount is available for bulk enrolments.

### Venue

All lectures are held at the Graduate School of Public and Development Management campus, 2 St David's Place, Parktown. Lectures run daily from 08:30 to 17:00 with breaks for lunch and teas.

### Convenor

Charley Lewis + 27 11 717-3784 or [charley.lewis@wits.ac.za](mailto:charley.lewis@wits.ac.za)

### Information

The course web page is available at <http://link.wits.ac.za/training/tc1.html>.

Registration can be done online, using the course code WE/TPRMGM/07/01, via <http://www.wits.ac.za/enterprise/courses/register.html>.

**Contact Tennyson Mashiloane + 27 11 717-4595 or via [Tennyson.Mashiloane@wits.ac.za](mailto:Tennyson.Mashiloane@wits.ac.za) for more information or to enrol.**

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