



## ITU AFRICAN CENTRE OF EXCELLENCE NETWORK

### Centre of Excellence Course on Next Generation Networks

Johannesburg, South Africa  
21-23 October 2013

## TRAINING/WORKSHOP OUTLINE

<b>Title:</b>	<b>Next Generation Networks</b>
<b>Proposed Dates:</b>	<b>21 to 23 October 2013</b>
<b>Duration:</b>	<b>3 Days</b>
<b>Venue:</b>	<b>Telkom CFL Centre for Learning; Olifantsfontein Campus</b>
<b>Tuition Fees:</b>	<b>ZAR 5000</b>

### Workshop Overview:

This course provides learners with an overview of the Next Generation Network architecture, as well as the issues and factors influencing the Next Generation Network. Participants will also understand the strategic importance of deploying a Next Generation Network and subsequent new revenue streams for deploying Telecommunication companies.

Various business models are explored and benchmarked against international Telcos with a view to reducing business inefficiencies.

### Methodology

Classroom delivery with high interaction

### Objectives of the workshop:

The learner will on a basic level be able to understand:

- the various concepts associated with Next Generation Networks.
- the current limitations of a fully circuit-switched network.
- how customer expectations and market drivers influence the need for a Next Generation Network.
- the current telecommunications regulatory environment including key problem areas.
- As an example, the future regulatory scenario in South Africa and identify the threats and opportunities presented for fixed line providers like Telkom SA will be discussed.
- the basic principles and terminology related to NGN networks
- the phased approach to fixed network transformation
- the importance of migrating to an IP platform and the various strategies used to implement an Next Generation Network

- the types of services that are possible over a Next Generation Network.
- The technologies will deployed in the NGN.
- the Implications for billing in a Next Generation, IP-based network.
- the ETOM and how Telkom business processes will operate in the ETOM environment
- international business models and best practises
- the NGN-related issues such as FMC (Fixed Mobile Convergence)

**Target audience:**

ICT Decision makers, ICT technical workforce

**Expected outcome:**

Participants will have a clear understanding of the Next Generation Network, its infrastructure and the factors that influence effective rollout of related services and the benefits thereof.

**Workshop Contents**

<b>Day 1</b>	<ul style="list-style-type: none"> <li>• The various concepts associated with Next Generation Networks.</li> <li>• The current limitations of a fully circuit-switched network.</li> <li>• How customer expectations and market drivers influence the need for a Next Generation Network.</li> <li>• The current telecommunications regulatory environment including key problem areas.</li> <li>• As an example, the future regulatory scenario in South Africa and identify the threats and opportunities presented for fixed line providers like Telkom SA will be discussed.</li> </ul>
<b>Day 2</b>	<ul style="list-style-type: none"> <li>• the basic principles and terminology related to NGN networks</li> <li>• the phased approach to fixed network transformation</li> <li>• the importance of migrating to an IP platform and the various strategies used to implement an Next Generation Network</li> <li>• The types of services that are possible over a Next Generation Network.</li> <li>• The technologies will deployed in the NGN.</li> </ul>
<b>Day 3</b>	<ul style="list-style-type: none"> <li>• The Implications for billing in a Next Generation, IP-based network.</li> <li>• the ETOM and how Telkom business processes will operate in the ETOM environment</li> <li>• international business models and best practises</li> <li>• the NGN-related issues such as FMC (Fixed Mobile Convergence)</li> </ul>

**Training Hours** : 08:30 until 16:00.  
**Morning Tea-time** : 10:00 – 10:20 am  
**Lunch Time** : 12:30 – 13:15  
**Afternoon Tea** : 15:00 – 15:20

For more information, please contact:

The facilitator Christo Economou ([economc@telkom.co.za](mailto:economc@telkom.co.za)) or the coordinator Nico Gibson ([gibsonna@telkom.co.za](mailto:gibsonna@telkom.co.za)).