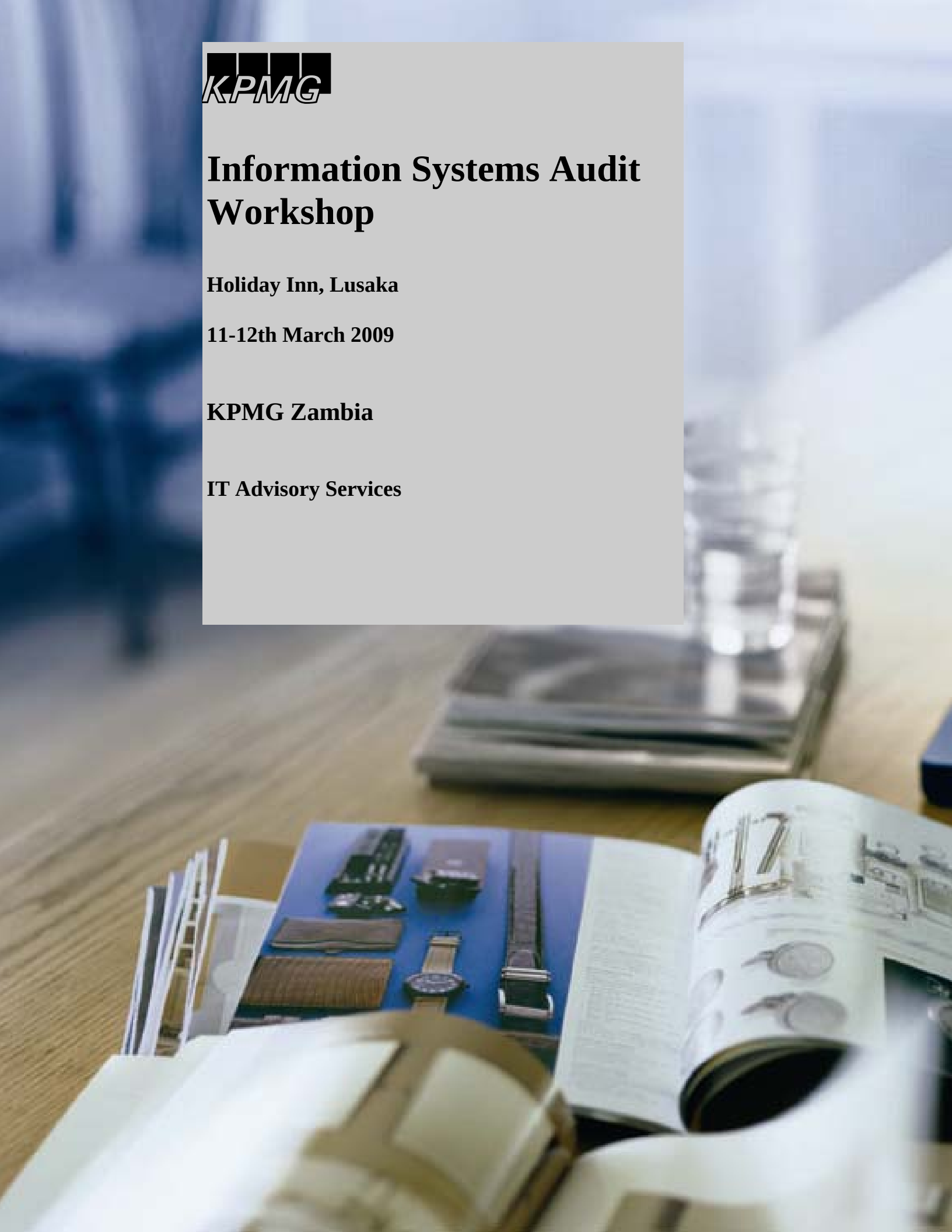

Information Systems Audit Workshop

Holiday Inn, Lusaka

11-12th March 2009

KPMG Zambia

IT Advisory Services

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Introduction

Information Technology is fast becoming a service which most companies are highly dependant on. In order to ensure that IT functions provide a reliable and quality service, appropriate security to Infrastructure and information resources is key to the survival of a company dependent on IT services.

Our IT advisory services unit conducted a survey on utilization of IT audit services in Zambia and our finding indicated that most organisations do not make use of such services.

Security is not a firewall or cryptography or a virus scanner; although, they are all components of a security solution. It is a process that examines and then mitigates the risks that arise from your company's day-to-day activities

This workshop is designed to equip management staff and other users of IT services with the necessary skills to implement effective IT controls to business processes and procedures. The Workshop will also assist participants understand IT audit processes and benefits to an enterprise. The target group for this workshop are **Audit Mangers, Finance Managers, Accountants, Finance Auditors, IT Auditors, IT Managers, IT Security Officers, Systems Administrators and other staff with IT management responsibilities.**

The workshop content has been derived from the standards and guidelines provided by ISACA, Institute of Internal Auditors and other international bodies involved in assurance and security management.

Accordingly, in this brochure we provide background information specifically relating to:

Profile of KPMG

Our African Footprint

Information Systems Audit Workshop Objectives

Workshop Content

Resource Persons

Workshop Participant Fees

Other Professional Services

Contact details

Profile of KPMG – the right choice

KPMG International is the global network of professional services firms whose aim is to turn knowledge into value for the benefit of its clients, its people and its communities. KPMG employs nearly 100 000 people worldwide.

KPMG member firms provide audit and risk advisory, tax and legal, and financial advisory services from more than 750 cities in 150 countries.

Our geographic coverage and the quality of our professionals give our clients access to the highest levels of local expertise and personal service. Our clients receive flexible, responsive and consistent service worldwide. Services are provided through integrated global-to-local networks. This gives the practice the flexibility to help solve problems of any magnitude effectively, whether global, regional, national or local.

KPMG has offices and representatives in 47 African countries. Each office shares the same ethical, professional and technical standards and operating, training and quality control procedures. KPMG has an unequalled presence throughout Africa.

We are passionate about helping our clients respond to the dynamic and changing business environments in which they operate. KPMG was the first of the (then) 'Big 5' to organise itself along industry lines – an initiative the other firms have since replicated. Our industry-driven structure has enabled us to develop unparalleled knowledge of our clients' businesses and to provide them with an informed perspective on the issues they face. It is a strategy that runs across our audit and risk advisory, tax and legal and financial advisory services and is underpinned by our geographic strength. The benefits of our industry focus to our clients are:

Worldwide advisors who understand your business, markets and issues

Relevant and commercial industry insights and best practice

Multi-disciplinary teams who are used to working together

Increased value through shared knowledge and thought leadership

Our African footprint

In order to better serve our African clients, the KPMG practices in Africa have been organised into clusters of regional countries. The southern African clusters are as follows:

Central Africa (Malawi, Zambia and Zimbabwe)

Southern Africa (Botswana, Lesotho, Madagascar, Mauritius, Namibia, South Africa and Swaziland)

Lusophone Africa (Angola, Mozambique, Cape Verde, Sao Tome and Guinea Bissau)

Francophone Africa (Algeria, Benin, Cameroon, Central African Republic, Chad, Congo, Democratic Republic of Congo, Gabon, Ivory Coast, Mali, Mauritania, Niger, Senegal, Togo and Equatorial Guinea)

This extensive network of practices enables KPMG to ensure that our clients have access to a blend of professionals who are well versed with local conditions, and have access to skilful resources, no matter where they may be located in Africa or the rest of the world.

KPMG's Africa objectives are to provide consistent, high quality services to multinational, regional and local clients and to enhance the product offering in certain previously under-serviced markets. The benefits for our clients include being able to draw upon the best resources available within Africa.

KPMG staff are professionally qualified and key staff are drawn form the Central African cluster who have all had exposure to assignments such as this.

KPMG Clusters

- **East Africa:** Burundi, Eritrea, Ethiopia, Kenya, Rwanda, Somalia, Seychelles, Tanzania, Uganda and Djibouti.
- **West Africa:** Burkina Faso, Ghana, Nigeria, Sierra Leone and The Gambia.
- **Central Africa:** Malawi, Zambia and Zimbabwe.
- **Southern Africa:** Botswana, Lesotho, Madagascar, Mauritius, Namibia, South Africa and Swaziland.
- **Lusophone Africa:** Angola, Mozambique, Cape Verde, Sao Tomé and Guinea Bissau.
- **Francophone Africa (Reports to France):** Algeria, Benin, Cameroon, Central African Republic, Chad, Congo, Democratic Republic of Congo, Gabon, Guinea, Ivory Coast, Mali, Mauritania, Niger, Senegal, Togo and Equatorial Guinea.
- **North Africa (Reports to The Middle East South Asia Region):** Egypt, Liberia, Morocco, Sudan and Tunisa.

Our Vision

Our vision is to be the leaders in the markets we choose to serve. We aim to be number one in reputation and number one or two in size, recognised as leaders in terms of the services we provide, the industries we serve and the countries we cover. This means driving ourselves to be the best in everything we do. Our strategy is to be a globally consistent organisation with excellent people who have deep industry knowledge, providing multi-disciplinary capabilities. This approach meets our clients' expectations, creates opportunities for our people and enables us to fulfil our responsibilities to the capital markets.

Underpinning the KPMG brand, globally, are our outstanding professionals working together to deliver value. As a values-based organisation, our values are central to everything that we do.

Outstanding relationships with management, built on a premise of trust, integrity and commitment, and remaining fully independent;

Our local knowledge, skill and experience – and capacity – supported as necessary by other professionals in KPMG;

Unrivalled technical knowledge confidently expressed and fully supported.

The professionals in our global **Information Technology Audit group** are dedicated to meeting the needs of clients in this sector. It is a cohesive group, whose deep understanding of this sector is maintained through leading edge knowledge sharing systems and industry focused training. As a result of this strong focus, KPMG is pre-eminent in providing professional services to major players in this sector.

Workshop Content

The workshop will cover the following IT audit areas. Presentations will be in form of lecture style and discussion groups

Introduction to Information Systems Audit

Introduction
History of IT auditing
Benefits of IT auditing assurance
Information Systems Audit Approach

Auditing Concepts

Types of audits
The IT Audit Process
Audit Standards and guidelines

IT Risk Assessment

Identifying assets to protect
Classification of assets and risks
Level of protection
Treatment of risks

General IT Controls

Audit Review Process
IT Governance Implementation
Information Security
IT Infrastructure implementation
Disaster recovery

Application Controls

Audit review process
Access Controls
Input validation
Processing controls
Output controls
Disaster Recovery

Data Analysis

Purpose of data analysis
Types of Software
Analysis methodologies

IT Governance

IT Strategy, Policies and Standards
CMM, Cobit
Balanced Scored Card
KPIs
Implementation of IT Governance

Information Security

Security Policy
Organisation Structure
Asset Classification and control
Personnel Security
Physical Security
Access Control
Business Continuity Management
System Development
Compliance

IT Infrastructure

Hardware Systems
Software Systems
LANs, MANs and WANs

IT Service Delivery and Support

Service Level Management Practices
Incident Management Practices
Change Controls

Business Continuity Management

Business Continuity Plan (BCP)
Development of BCP
Maintenance of BCP
Disaster Recovery Testing approaches

Compliance

Compliance with Legal Requirements
Compliance with Security Policies and Standards, And Technical Compliance
Information Systems Audit Considerations

Resource Persons

Loritta Kudumba, BA, CISA

Loritta is the IT Advisory Services Manager for KPMG South Africa. She has wide experience in IT security advisory work and she been with KPMG for over 5 years. She has provided Information Risk Management services to several KPMG clients in Zimbabwe, Zambia, South Africa and Malawi. She is a qualified IT Auditor.

Abraham Nyirongo, MSc, CISA, CISM, CGEIT, PMP

Abraham is the IT Advisory Services Manager for KPMG Zambia. He has wide experience in the IT Industry and he is a qualified IT Security Specialist and IT Auditor. He has been with KPMG for over 5 years providing Information Risk Management services to several KPMG clients in Zambia.

Chris Kahts, BSc IT (Hons), Higher Dip IT Audit, CISA

Chris is a member of KPMG IT advisory services unit in KPMG South Africa. He is responsible for security, privacy and continuity. His focus is on security governance. Chris is a qualified IT Auditor.

External Speakers

Three KPMG clients based in Zambia have been invited to speak at the workshop. These clients have successfully implemented IT and security Governance in their IT environments.

Workshop Facilitators

Malala Simungala, AIMIS, MCSE, MCSA

Malala is a member of IT Advisory Services in KPMG Zambia. She has experience in IT advisory work and she been with KPMG for over 3 years. She has provided Information Risk Audit services to several KPMG clients in Zambia

Kavitha Rao, MBA, M.Tech, B.Tech

Kavitha is a member of IT Advisory Services in KPMG Zambia. She has been with KPMG for over 2 year.

Other Professional Services offered by KPMG

We have developed a comprehensive suite of service offerings to address the Information technology function needs of our clients, which include amongst other services:

Information Technology Governance

IT Performance Review

IT Audit

IT Security Review

Disaster Recovery Planning

IT Risk Management

IT Project Implementation

Information Security Governance

Penetration Testing

We also assist clients to bring IT projects from concept through feasibility, bidding, procurement, negotiations, and award to execution.

Assist organizations with advice on options analysis, feasibility studies, and procurement and implementation options.

KPMG has developed project management processes for a range of clients and has extensive IT project management experience. This project will be implemented using proven project management practices.

Our services are based on a range of internationally developed and proven methodologies, designed to achieve rapid business transformation and performance improvement – from both an operational and strategic perspective. In order to ascertain whether performance has indeed improved, BPS also includes a range of performance measurement and management services.

Stakeholders and managers of both public and private entities wish to know how entities are performing against their business objectives, so that they may take corrective action if objectives are not being met. This is achieved through Performance Measurement and Management, which allows management and stakeholders to understand if the utilisation of IT resources and assets is effective and efficient.

Business Performance Services offers a comprehensive suite of services to assist the public sector with measuring, managing and improving strategic and

operational performance. Our services are applicable and scalable to all tiers of government.

Workshop Participation Fees

Participation fee is **K4,000,000** exclusive of VAT.

The fee covers workshop materials, teas and lunch. Participants from outside Lusaka will be required to arrange their own accommodation.

You may contact Malala or Kavitha for an official quotation. Please register early limited places available. Contact details are available on the next page.

Contact details

If you require any additional information please contact either of the following:

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