Understanding the Elements of ICT Structures (UICT)

**COURSE SYNOPSIS**

IT Audit is no longer the sole domain of IT Auditors. IA should be asking themselves:

Do we understand the implications of the inter-connected world on existing controls that we audit e.g. are the controls in line with “Cloud Computing” with all the benefits and risks it brings? Do we understand this inter-connected IT Infrastructure that produces the organisation’s invaluable asset called “Data & Information”? and,

What are the risks of this inter-connected world and what new controls do we need and what existing controls need to be modified and enhanced?

Internal Auditors HAVE to transform into the new inter-connected world by attaining reasonable understanding of how the various elements of ICT Structures work, such as:

Networking/cloud computing, Systems development, Application systems—including controls, General control areas e.g. operating systems, systems security, hardware, hardware management, etc.

**COURSE OUTCOME**

- Understand Applications Controls and Applications Systems development – data structures, relational database concepts and an overview of data analytics in an integrated application systems environment - Identify and relate to how structured data is used in data analysis for audit purposes.

**COURSE CONTENT**

1. An overview of Information and Communication in today’s interconnected world
   - Relevance and responsibilities if ICT in line with KING IV corporate governance
2. Understanding the elements of IT Infrastructure
   - IT Networking & Cloud Computing scenarios and controls
   - Hardware and Hardware & System software e.g. Operating systems and,
   - General IT Management & Controls including Security Concerns
3. Understanding Applications Systems and Applications Systems design and Development
   - Applications systems in an integrated environment
   - Application Systems controls
   - Data structures in applications and the Concept of Relational Database and risks and controls thereto
4. Roadmap and development for continued IA transformation into the inter-connected world.

**EVALUATION METHOD**

Group work with questionnaires and completing certain templates to ensure outcomes are achieved.

**WHO SHOULD ATTEND?**

All IA Executives, Management & Staff, ICT Auditors, Risk Managers & Practitioners.

A 10% group discount will apply to organisations placing a simultaneous booking for 2 or more registrants.

Please click here for general course information.

Delegates are also requested to review the content and the levels of the courses presented before booking, to ensure they are attending the right course.