

GOVERNANCE AND RISK MANAGEMENT (GRM)



YOUR CHALLENGES

Information is one of the most important assets in any organisation and technology is the key tool employed in the management of these assets, but it is not always a tool that is managed well.

The increasing use of technology throughout the business environment can lead to significant efficiencies and can enhance the overall ability of an organisation to achieve its strategic aims and objectives. However, there are substantial challenges involved in the development, implementation and maintenance of technology and significant risks and increasing security threats in its operation. In addition, the environment in which technology is deployed and data managed is becoming increasingly complex with new technologies, technology delivery models, tough compliance and regulatory obligations provide a growing challenge to any computerised organisation and any audit committee seeking assurance.

Our Governance and Risk Management (GRM) services examine the level of risk inherent in the operation of technology in organisations and the manner in which this risk can be reduced.

ARE YOU FACING ANY OF THE FOLLOWING CHALLENGES?

- You need to establish an IT audit function or capability within your organisation
- You are an internal audit manager requiring specialist IT audit services on an ongoing basis or from time to time
- You are an audit committee member requiring assurance on the level of risk in the use of IT in your organisation
- You are an IT manager requiring specialist independent IT or security control review support
- You have specific concerns regarding data protection or data management
- You have experienced a breach in data or system security or require assurance on the existence and operating effectiveness of security controls within your organisation
- You require an IT risk assessment to be performed
- You have a one-off requirement for an IT audit or investigation requiring specialist IT expertise
- Your IT control environment must comply with specific legislation or compliance standards
- You require IT project assurance or review
- You require assurance on the design and/or operation of your ICT infrastructure controls
- You require assurance as to the reliability of financial data produced by your IT systems for financial reporting purposes
- You require specialist application audit support
- Your organisation has designed, recently implemented or changed a critical system and require assurance that appropriate controls are in place
- You need assurance as to the value for money being achieved by your current IT spending

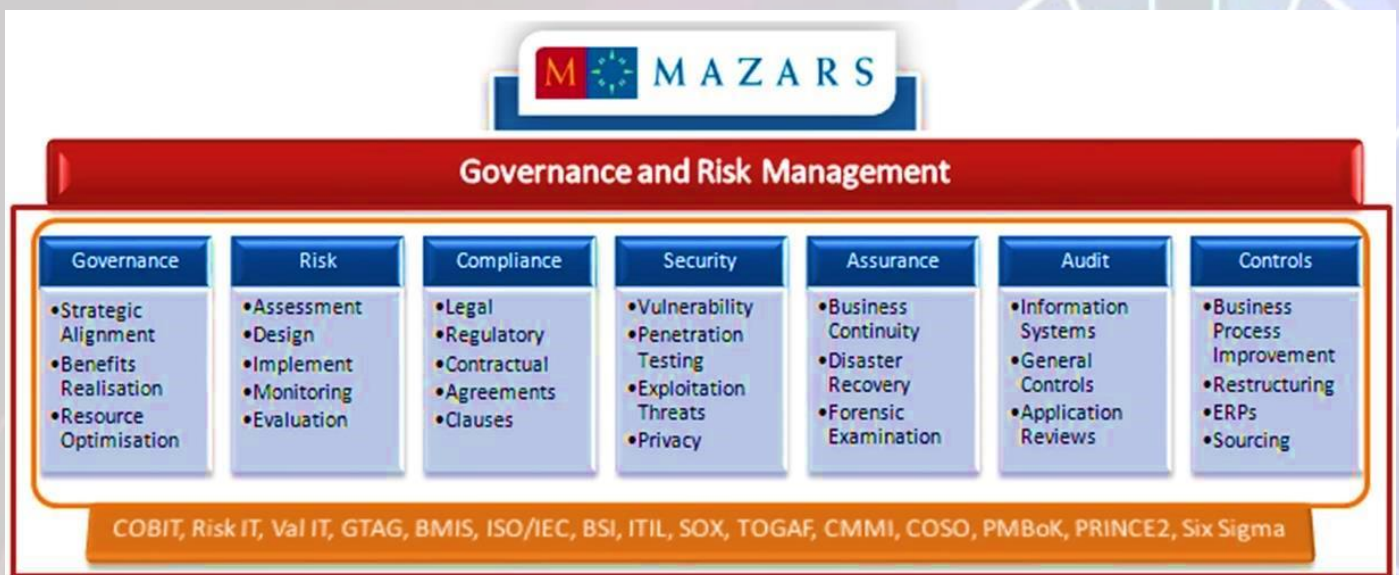
OUR RESPONSE

We recognise that the complex technology challenges that many organisations face, require specialists and a supportive response.

We assist audit committees and internal audit departments by providing assurance across a range of information assets. We add value through our deep technical understanding of technology and of the effective operation of controls in an IT environment.

Our response to your IT challenge is built on the capabilities and real life experiences of our team. Our IT specialists can assist in the conduct of an audit or specialist review across any aspect of technology from IT corporate governance and management to specialist network or security infrastructure.

We employ Institute of Internal Auditors (IIA) and ISACA standards in the performance of our internal IT standards amongst others. We also audit to specific technical industry standards where appropriate. As members of the IIA and ISACA, these standards form a core part of our IT audit methodology. We understand how to apply all these standards in practice rather than just theory, to help recover our clients audit assignments and audit to PMP, ITIL, COBIT5, ISO27001, SSAE16, PCI, ISO38500 and NIST security from chaos to order, at low change and no risk.



OUR TEAM

The strength of our IT capability lies in the strength of our team. Mazars is one of the few firms in Asia to employ a dedicated team of technical IT auditors who work exclusively on IT audit and security assignments.

Our team has been built up over a long period of time and predominantly includes staff who have qualified and worked in technical and specialist IT network and security roles. This is unique amongst our professional services firms – our staff are not internal auditors trying to understand IT – they are technical IT people who have been trained in internal audit and who spend all their time working on IT audit and security assignments. This means that not only do we understand audit, we also understand the risks associated with technology and its deployment, we know how to test technology and we are credible in our interactions with members of your IT department.

Our team is stable, long serving, and committed to maintaining the excellent relationships that we enjoy with our clients.

We have also developed a specialist team of experienced public sector internal/IT auditors, providing support to some of the most technically complex and high profile organisations in Asia.

OUR TEAM HOLD THE FOLLOWING QUALIFICATIONS AND CERTIFICATIONS

- Certified Information Systems Auditor (CISA)
- Certified Information Security Manager (CISM)
- Certified in Risk and Information Systems Control (CRISC)
- Certified Internal Auditor (CIA)
- Certified Information Technology and Infrastructure Library (ITIL)
- Certified System Software Engineer (Microsoft, Linux, Android, iOS)
- Certified Network Specialist (Cisco, Avaya)
- Project Management Professional (PMP)
- Masters in Computing Sciences and Information Systems

OUR SERVICES

INTERNAL AUDIT

- Full IT internal audit outsourcing
- Co-sourced IT internal audits
- Integrated financial and operational audits
- One-off specialist reviews
- Framework reviews
- General IT controls
- Technical reviews
- Data analysis
- Value for money and benefits realisation
- IT audit department set-up
- Risk analysis and assessment
- Audit planning and development
- IT Applications reviews
- Green IT and e-cycling

REGULATION, COMPLIANCE AND STANDARDS

- Data Protection
- ISAE 3402/ SSAE 16 (formally SAS70)
- Control Objectives for Information and related Technology (COBIT)
- Sarbanes-Oxley (Sarbox)
- ISO/IEC 27000-series
- ISO/IEC 38500
- PCI DSS Compliance

INVESTIGATIONS

- IT forensic analysis
- Investigation support

AUDIT TRAINING

- Principles of IT auditing
- PMP project management
- CISA and CISM preparation
- Technology specific IT audit training

DATA ANALYSIS

- Computer-Assisted Audit Techniques (CAAT) specific audit tools
- Data interrogation
- Data migration projects
- Spreadsheet assurance

FRAMEWORK REVIEWS

- Enterprise IT corporate governance
- Strategic planning
- Risk management
- Project management
- Third party and IT outsourcing
- IT security framework
- Service delivery
- Change management
- Procurement
- Data management and data protection

GENERAL IT CONTROLS

- System development life cycle (SDLC)
- Program change control
- Security administration
- Service management
- Logical access
- Physical and environmental
- Computer operations
- System and data backups
- Business continuity and disaster recovery
- Identity and access management (IdM)

TECHNICAL APPLICATIONS AUDITS

- SAP
- Oracle
- Microsoft
- Open-source
- Amongst others

TECHNICAL AUDITS SERVICES

- Network security and design
- ICT infrastructure
- Virtual environment
- Storage area network (SAN)
- Penetration testing and ethical hacking
- Capacity and performance management
- Wireless security
- Vulnerability assessment
- Security architecture and design
- Active directory
- Baseline server security configuration



Mazars is present in 5 continents.

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