

IT Security protects your business

IT Security protects your information:

Confidentiality to ensure only authorized people can read or update it,

Integrity to ensure data is not corrupted,

Availability to ensure you have data when required,

Accountability of changes to ensure non-repudiation of transactions.

There are eight domains in IT Security, ranging from personnel and physical security to cryptography. Each domain has its own set of controls.

There are three frameworks to measure the controls:

COBIT 5 which focuses on control objectives,

ITIL which focuses on processes, and

ISO 270001 which proscribes the controls.

There are also industry standards to set controls:

Centre for Internet Security guidelines,

Canadian government *Communications Security Establishment's* IT Security Guidelines (ITSG),

NIST Cyber Security Framework,

Information Security Management System.

Why use an IT Security Auditor?

IT Security Audits review existing business processes and controls, including automated controls, and:

Review design,

Assess effectiveness and efficiency, and

Recommend best practices.

Internal Controls over Financial Reporting (ICFR) requires Canadian businesses to certify annually that the controls have been designed properly and are functioning correctly. The penalties for failure to comply include loss of reputation, and in extreme cases jailing the CFO.

IT General Controls (ITGC) are a required component of ICFR compliance. These reports are prepared by Internal or IT Security Auditors. The Audit Committee on your Board of Directors may ask for other IT Security audits.

IT Security Auditors adhere to the same set of IIA professional standards as Internal Auditors, and have also mastered security management practices.

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Qualifications

Over 10 years' experience as IT Security Auditor

Further 20 years as IT Security professional

◆ **Bachelor of Computer Science** ◆ **CISSP** ◆ **CISA**

◆ COBIT 5, 2019 ◆ CyberSecurity neXus

◆ NIST Cyber Security Framework ◆ ISO27001 ISMS

◆ GDPR ◆ CCPA ◆ PIPEDA / DPA ◆ CCCS ITSG-33, -22, -38

◆ ITIL ◆ Risk Management ◆ TeamMate ◆ ACL

◆ Governance, Risk & Compliance

◆ Threat Risk Assessment ◆ Certification & Accreditation

◆ SQL ◆ Entrust PKI

◆ RSA Multi-Factor Authentication

◆ Web Design: HTML, XML, JavaScript, php

◆ Programming: VBA, C+, Java, Perl, AWK

Employed at:

Shared Services Canada, NAV Canada, HP Canada,

Nortel Networks, CGI, Algonquin College, IBM Canada,

Bell Canada

Available for short- or long-term contracts (incorporated company), or a permanent position.



Detailed C.V. (including references) is available at

www.piSecAudit.ca/irving.pdf

<https://www.linkedin.com/in/phil-irving-15472487/>