

# How to Optimise Your Approach to **Information & IT Security**



Security Testing  
Threat & Risk Assessment  
Project Management  
Information Security Frameworks  
Compliance, Audit & Review  
Strategy & Architecture

# Information & IT Security

What is Different About Our Approach?  
We use proven methodologies that ...



## What are Your Security Challenges?

In today's climate of evolving threats, organisations often ask questions such as:

Are our information security priorities aligned with our business goals?

Have we adopted all reasonable measures to protect our information systems?

Do we have the support of all key stakeholders?

## How can Certitude Help?

At Certitude, our approach considers information across its entire life cycle irrespective of how it is stored and processed.

We balance risk across the entire enterprise, rather than concentrating on technology.

We explain all issues clearly in non-technical terms and aim to provide you with tangible evidence.

## What Expertise do our Consultants have?

Our principal consultants each have over 20 years of experience in IT security management gained within industry and at consulting firms.

Their reports provide senior managers with a clear, overall view of your organisation's information security status.

The reports offer essential remedial actions and guidance to simplify ongoing IT security management.

## Our Services Include:

Security Testing

Threat Risk Assessment

Project Management

Information Security Frameworks

Compliance, Audit & Review

Strategy & Architecture



## Who are some of our clients?

Major Australian Banks, Global Mining & Resources Companies, Government, Financial Services & Insurance, 'Big Four' Accounting Firms, Global IT Integrators, Utility Companies



## Security Testing

**How do you keep up to date with evolving threats?**

Our dedicated testers:

- Test your system's ability to withstand attacks
- Employ best practice methodologies
- Stay up to date with the latest attack techniques

**We can test:**

- Wireless, external and internet networks
- Mobile devices and automated control systems e.g. SCADA and PCS
- Line of business applications e.g. HTML, ASP, XML
- Staff awareness & behaviour

## Threat & Risk Assessment

**Do you consider all parts of your organisation when assessing risks?**

**Who owns the risks in your organisation?**

Certitude identifies risk owners across your organisation, not just within IT, and differentiates between real business risk and inconsequential controls weakness.

**We can:**

- Optimise the way you mitigate your risks through people and processes, as well as technology
- Leverage your current investment in technology, people and processes to reduce costs for controlling risks

## Project Management

**Are your IT security projects managed by a security expert?**

Certitude's consultants are security subject matter experts

**We can:**

- Build realistic schedules and budgets, with due consideration to any limitations and constraints
- Ensure all your security projects achieve their potential business benefits

## Case Studies

### Government Department

**Challenge:** Our client had a mature technical infrastructure and capable IT support team. However they were concerned that any weaknesses in the infrastructure could allow a skillful hacker to compromise the system.

**Solution:** We identified shortcomings in IT security and presented our findings, highlighting the potential for damage to the client's reputation and other serious consequences.

Our recommendations focused on root causes and controls that could protect against the weaknesses we were able to exploit.

**Value:** Management gained a clearer understanding of the risks and were able to develop a business case to justify the investment needed to improve security.

### Government Agency

**Challenge:** Our client used a major IT system to process highly sensitive data. Management needed assurance that the information was well secured.

**Solution:** Certitude found that while the IT systems were secure, the actual information was not.

Our report expressed, in terms of clear consequences, the possible outcomes of failing to address these shortcomings.

**Value:** Our report allowed our client to make a strong business case for investing in a comprehensive set of information control mechanisms. These controls significantly reduced the risks to the information, as well as helped our client meet stringent government security requirements.

### Financial Services Company

**Challenge:** Our client requested Certitude's project and security expertise with an existing and problematic major anti-virus implementation. Certitude foresaw a number of major issues that could not be resolved within the original project schedule.

**Solution:** Certitude demonstrated that a staged roll out would reduce risks and ensure that the technology was configured appropriately.

We worked with our client's vendors, IT staff and IT operations service provider to completely redevelop the implementation plan.

**Value:** Following adoption of our plan, the implementation proceeded according to the new plan, was completed according to the new schedule, and delivered the originally expected benefits.

# Information & IT Security

## Information Security Frameworks

**Who has responsibility for IT security in your organisation?**

Certitude develops tailored security frameworks, complete with appropriate governance structures and clear stakeholder responsibilities.

**We can:**

- Align your framework to accepted standards such as ISO 27001, and the Australian government's ISM
- Mobilise your entire organisation to secure your valuable information

## Compliance, Audit and Review

**Are your auditors security subject matter experts? Are they truly independent?**

Certitude consultants are experts in IT security management and can work alongside your auditors, IT staff and services providers.

**We can:**

- Verify compliance with regulations, policy and procedures
- Test the design and effective operation of controls related to standards such as:
  - ISO 27001    ▪ COBIT
  - Privacy Acts    ▪ ISM
  - PCI - DSS

## Strategy and Architecture

**How do you control costs while managing security and risk?**

**How do you build a business case for your strategy?**

Certitude makes the best use of your existing processes, technologies and service providers to build effective and cost efficient security strategies and architectures.

**We can:**

- Align your strategy and architecture to your organisation's risk management process
- Link IT risk management to business value

## Case Studies

### Multinational Resources Group

**Challenge:** Our client needed to adopt consistent IT security practices globally, based on ISO 27001.

**Solution:** Certitude developed an information security management system and introduced clearly defined, organisation wide, roles and responsibilities.

The system enforces minimum standards for critical IT controls such as computer accommodation, access standards, media handling and disposal and malicious software prevention. All elements of the system include detailed audit and exemption processes.

**Value:** The comprehensive framework and system of standards allowed the organisation to employ a self-serve risk assessment model, supporting projects valued up to \$100m.

### Telecoms Infrastructure Company

**Challenge:** Our global, NY stock exchange listed client is required under Sarbanes Oxley legislation to ensure that it's IT processes produce accurate organisational and financial information.

**Solution:** Certitude tested the IT controls related to SOX compliance prior to the formal tests by its external auditor. Certitude also reviewed our client's IT SOX submission in support of SOX compliance.

**Value:** The US head office praised Certitude's chosen approach and adopted many aspects of our approach into the organisation's global compliance program.

### Large Government Department

**Challenge:** Certitude's client delivers a variety of services to other departments with different security requirements and was struggling to address each of these individually.

**Solution:** Certitude identified the types of security controls our client's customers needed and examined the existing solutions.

We defined a tiered set of security controls that were sufficiently flexible for large variety of typical requirements. The tiers suited a wide range of sensitive information, and were aligned with the Australian Information Security Manual.

**Value:** Our approach gave our client confidence that their security controls for one customer would also suit others. This justified introducing improvements that allowed costs to be spread across multiple customers.

# **Certitude**

TECHNOLOGY RISK SERVICES

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