



## SMU Professional Certificate in Governance, IT Risk Management & Compliance (IBF Level 2)

### Synopsis

**A**s organizations embrace digitalization to transform business and operations, it is critical to develop policies, procedures and controls to manage technology related risks. The frequency and scale of cyber attacks and breaches have escalated. The disruptions to systems and operations can greatly damage an organization's reputation, public trusts and bottom line.

It is imperative for professionals in technology & operations (T&O) to be able to develop and implement effective controls to manage operational risk, activate technology disaster plans to ensure business continuity.

This 3-day certification program adopts an experiential learning approach. Participants works on an extended case study to implement risk management controls to comply with regulatory requirements and industry best practices.

### Highlights

- Determine and justify risk tolerance & appetite
- Assess risk and select risk treatment option
- Develop and test business continuity plan & remedial actions
- Design risk reporting process & tools
- Apply data protection principles to device policies & processes
- Use the Six Sigma approach to manage compliance risk
- Enhance professional excellence with small group coaching
- Expand perspectives through peer interactions & review

### Program Date

**25** to **27**  
**Oct** **Oct**

Classes from 9am to 5pm

### Program Fee

S\$3,000 (excluding GST)

#### Net fee payable upfront for eligible self-sponsored applicants:

Singaporeans and PRs  
**S\$900 (excl. GST)**

Singaporeans aged 40 years  
and above  
**S\$300 (excl. GST)**

[Terms & conditions apply.](#)

### IBF-STF Funding

IBF-STF provides 70% funding, subject to all eligibility criteria being met. For Singapore Citizens aged 40 years and above, IBF-STF provides 90% funding, subject to existing grant caps. For more information, refer to <https://www.ibf.org.sg/programmes/Pages/IBF-STF.aspx>.

## Who Should Attend

- Professionals with minimum 3 years relevant experience in IT risk management & security related function (e.g. security engineer, senior information security officer, senior risk officer, senior compliance or control officer, security administrator)
- Participants who have completed IBF Standards Technology Level 1 program or show proof of competency at Level 1

## Curriculum

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### Risk Identification & Assessment

- Determine risk appetite & tolerance
- Identify risk factors & scenarios
- Assess risk using risk models
- Case study activities
  1. Identify business & technology issues
  2. Determine & justify risk appetite
  3. Identify & list key risk exposures & scenarios
  4. Develop risk matrix and heatmap

### Risk Response Options & Action Plan

- Weigh risk response options
- Prioritize based on quick wins & business case
- Develop & execute risk action plan
- Define monitoring metric & threshold
- Define key risk indicators & triggers
- Case study activities
  5. Select risk treatment & prioritize action plan
  6. Determine frequency, data source & metrics

### Reporting, Escalation & Risk Ownership

- Assign risk ownership
- Escalate risk along the three lines of defense
- Design risk tools
- Develop business continuity plan
- Manage crisis & response to breaches
- Case study activities
  7. Design reporting process & tools
  8. Create risk register & identify tools

### Compliance Risk Management

- Know the regulatory requirements & landscape
- Case study activities
  9. Apply Six Sigma approach to manage compliance risk
  10. Derive policies & procedures using data protection principles
  11. Determine compliance rating with reference to MAS Technology Risk Management Guidelines

## Trainer's Biography

**Leonard Ong** has over 15 years of information and corporate security experiences gained in telecommunication, enterprise and banking industries. He held various roles within the security profession, with responsibilities in information security, corporate security, project management, consulting and business development. Currently Associate Director at Merck, Leonard also serves on the ISACA Board of Directors.