

The IBF Standards are a set of competency standards developed by the industry for the industry. They are benchmarked against international standards and represent the key skill sets required for various jobs in the financial industry. They currently cover 12 industry segments:



**CAPITAL  
MARKETS**



**COMPLIANCE**



**CONSUMER  
BANKING**



**CORPORATE  
BANKING**



**FINANCIAL  
MARKETS**



**FINANCIAL  
PLANNING**



**FUND  
MANAGEMENT**



**GENERAL  
INSURANCE**



**LIFE  
INSURANCE**



**RISK  
MANAGEMENT**



**TECHNOLOGY  
& OPERATIONS**



**WEALTH  
MANAGEMENT**

# Skills for Technology & Operations



Find a training programme  
to suit your needs  
<https://goo.gl/1Y6JWK>

## About Technology

Technology function includes responsibilities for developing, testing and maintaining computer systems, networks, hardware, software and databases. It also includes security controls, risk management and vendor management.

## About Operations

Operations refer to functions that support the ongoing operations of a financial institution. Their responsibilities include accurate processing of transactions for the products and services provided to clients, as well as facilitating the roll out of new controls for the monitoring and reporting of risk and performance indicators.

## About Proficiency Levels

The IBF Standards offer three proficiency levels to help you track the development and sophistication of your skills in relation to your career aspirations. You can also use the Standards to identify training programmes at the right level to meet your skills development needs.

- Level 1 a basic understanding of key concepts and ability to apply skills to routine tasks
- Level 2 ability to apply skills to complex tasks
- Level 3 ability to apply skills in the context of broader organisational considerations

## About IBF Certification

IBF Certification is an industry endorsed mark of quality for finance professionals in Singapore. To achieve certification, you will need to complete an IBF accredited programme. In addition, for IBF Level 2 and 3 Certification, you will need to meet the relevant experience requirement. IBF Certified individuals may use their professional certification titles "IBFQ" or "IBFA" on their business cards and correspondences.



### IBF Qualified (IBFQ)

An individual certified as "IBF Qualified" is equipped with foundational skills to undertake new roles.

- Certified via IBF Level 1 Programmes



### IBF Advanced (IBFA)

An individual certified as "IBF Advanced" has demonstrated applied knowledge and advanced analytical skills for specialist or managerial functions.

- Certified via IBF Level 2 or Level 3 Programmes  
- 3-15 years of experience

		1	2	3
	<b>Technology*</b>			
	<b>Data</b>			
	Business intelligence	•	•	
	Data engineering	•	•	
	Data science	•	•	•
	<b>Financial Sector Specific Skills</b>			
	Financial sector (FS) transaction workflow and FS IT application types	•		
	Governance, risk management and compliance	•	•	
	Software development lifecycle specific to asset management / commercial banking / insurance / investment banking / retail banking			•
	<b>Infrastructure</b>			
	Cloud computing	•	•	•
	Implementation, operations and maintenance	•	•	•
	Planning and design	•	•	
	<b>Professional Services</b>			
	Business analysis	•		
	Enterprise architecture		•	•
	IT consulting and implementation	•	•	•
	Programme and project management		•	•
	Solutions architecture	•	•	•
	<b>Security</b>			
	Governance, risk and compliance	•	•	•
	Incident response, forensic investigation and threat analysis		•	•
	Security design and engineering	•	•	•
	Security operations	•		
	Security penetration testing and certification	•	•	



## Technology\*

### Software and Applications

Application design and development	•	•	
Embedded systems engineering	•	•	
Platform engineering	•	•	
Product management	•	•	•
Software quality assurance	•	•	
Systems analysis	•		
User interface and experience	•	•	•



### Support

Data centre	•	•	
IT audit	•	•	
Operations support	•		
Systems and database administration	•	•	
System and quality assurance	•	•	

\* with reference to the Skills Framework for Infocomm Technology (ICT)


**Operations**
**Collateral Operations**

Collateral documentation acceptance and management

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Collateral valuation and margin call processing

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Reconciliation and exception reporting

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**Governance, Risk Management and Compliance**

Governance principles, risk management concepts, compliance requirements and business continuity

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Know your customer (KYC) / Anti-money laundering (AML)

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**Operations Performance Management**

Capacity and resource management

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Operations performance management analysis and monitoring

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Operations risk management and controls

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Risk Control Self Assessment (RCSA) management and analysis

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**Project and Change Management**

Project and change programmes implementation

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**Service Provider Management**

Contract management

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Service provider framework, assessment and selection

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Service provider relationship and risk management

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