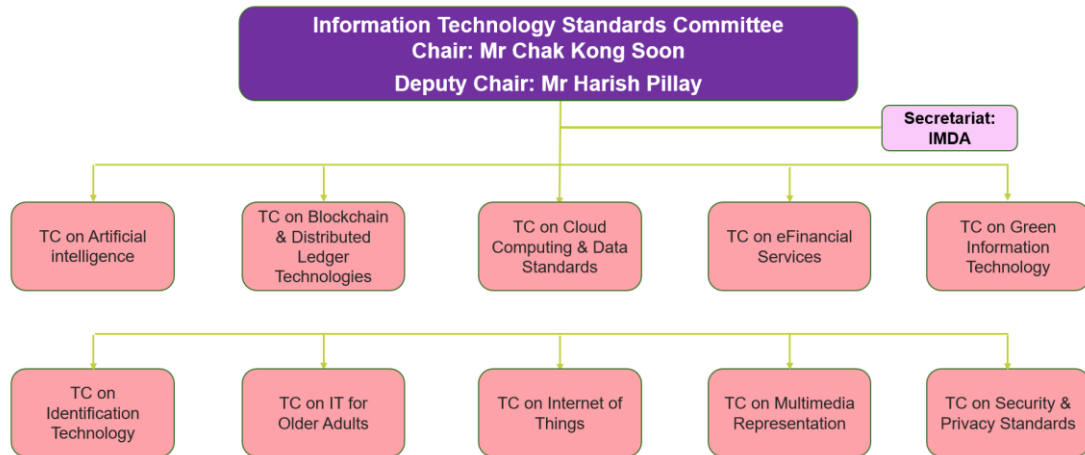


## Technical Committees (TCs)/Working Groups (WGs)



Note: A Working Group is appointed by ITSC or its TCs to draft/review a Singapore standard, or to monitor international standards where highly specialised expertise is needed. It is appointed for a specific time period and will be disbanded once the project is completed.

### 1. Artificial Intelligence Technical Committee (AITC)

The Technical Committee was formed to recommend the adoption of relevant international AI standards for Singapore, support the development of new AI standards where necessary or applicable, and promote awareness of AI standards.

#### TC Chairman

**Mr Laurence Liew**

Director, AI Industry Innovation, AI Singapore

#### International Standards Participation

The TC represents Singapore as a 'Participating' member in ISO/IEC JTC 1/SC 42 on 'Artificial Intelligence'.

### 2. Blockchain and Distributed Ledger Technologies Technical Committee (BDLTTC)

The Technical Committee was formed to look into developing and promoting standards for blockchain and distributed ledger technologies.

#### TC Chairman

**Mr Tan Sian Lip**

CEO, Halialabs

#### Deputy TC Chairman

**Ms Yvonne Zhang**

CEO, Aquifer Institute

### **International Standards Participation**

The TC represents Singapore as a 'Participating' member in ISO/TC 307 on 'Blockchain and distributed ledger technologies'.

## **3. Cloud Computing and Data Standards Technical Committee (CCDSTC)**

The Cloud Computing Standards Technical Committee was set up to address the industry demands for cloud computing standards.

### **TC Chairman**

**Mr Raju Chellam**

Individual capacity

### **Deputy TC Chairman**

**Ms Chen Yew Nah**

Founder, Zeles Network Ltd

### **International Standards Participation**

The TC represents Singapore as a 'Participating' member of ISO/IEC JTC 1/SC 38 on 'Cloud Computing and Distributed Platforms', and an 'Observing' member of ISO/IEC JTC 1/SC 32 Data management and interchange.

### **Singapore Standards under CCSTC**

- SS 584 : 2020 Specification for Multi-tiered Cloud Computing Security (MTCS)
- TR 33 : 2013 Data as a Service (DaaS) Application Programming Interface (API) Design
- TR 41 : 2015 Data Quality Metrics
- TR 55 : 2016 Data Versioning
- TR 62 : 2018 Guidelines for Cloud Outage Incident Response (COIR)
- TR 82 : 2020 Guidelines for Cloud Native Security

## **4. eFinancial Services Technical Committee (eFSTC)**

The eFinancial Services Technical Committee tracks and facilitates major projects in the financial services industry, in particular the ISO 20022 standards for financial services messaging. ISO 20022 will help enable straight through processing for securities settlement, thus improving processing efficiency while reducing errors.

### **TC Chairman**

**Mr Lim Heng Hai**

Principal Consultant, TechCreate Solution Pte Ltd

### **International Standards Participation**

The TC represents Singapore as a 'Participating' member of ISO/TC 68 on 'Financial services'.

### **Singapore Standards Under eFSTC**

- SS 618 : 2016 ISO 20022 Corporate-to-Bank Payment Initiation and Payment Status

## **5. Green Information Technology Technical Committee (GITTC)**

The Green IT Technical Committee aims to establish Singapore at the fore-front of providing sustainable IT services and solutions, by providing a consistent and coordinated approach in the development of green IT standards for Singapore.

It also promotes Green IT standards by creating user awareness, and encouraging their use and adoption by local enterprises and organisations.

### **TC Chairman**

**Mr Andy Sim**

Managing Director, Public Sector & Commercial, Dell EMC

### **International Standards Participation**

The TC represents Singapore as a 'Participating' member of ISO/IEC JTC 1/SC 39 on 'Sustainability, IT and Data Centres'.

### **Singapore Standards Under GITTC**

- SS 564-1 : 2020 Sustainable Data Centres - Part 1: Energy and Environmental Management Systems
- SS 564-2 : 2020 Sustainable Data Centres - Part 2: Guidance for Energy and Environment Management Systems
- SS 587: 2013 Management of End-of-Life ICT Equipment

## **6. Identification Technology Technical Committee (ITTC)**

The Identification Technology Technical Committee develops Singapore Standards, and participates in international activities related to identification technology. These technologies cover a wide area, ranging from biometrics, contactless smart cards, vicinity cards, driver's licences, and machine readable travel documents. The standards will facilitate the development of efficient and interoperable identification solutions in a multi-vendor and multi-application environment.

### **TC Chairman**

**Mr Lin Yih**

Director, Digital Applied Research and Technology Pte Ltd

### **Deputy TC Chairmen**

**Mr Lawrence Chen Tai Pang**

Principal Research Engineer, Institute for Infocomm Research

**Mr Kelvin Lim**

Deputy Chief Specialist, Fare System, Land Transport Authority

### **International Standards Participation**

The TC represents Singapore as a 'Participating' member of ISO/IEC JTC 1/SC 17 on 'Cards and security devices for personal identification', and ISO/IEC JTC 1/SC 37 on 'Biometrics'. Singapore is also the Convenor of ISO/IEC JTC 1/SC 17/WG 11 on 'Application of biometrics to cards and personal identification'.

## **Singapore Standards Under ITTC**

- SS 467 : 2002 (2012) Specification for Smart Card Reader Application Program Interface (API)
- SS 468 : 1999 (2012) Specification for Stored Value Card Application
- SS 518 : 2014 (Incorporating Amendment 1, January 2019) Specification for Contactless E-Purse Application
- SS 529 : 2006 Specification for Smart Card ID

## **7. Information Technology for Older Adults Technical Committee (ITOATC)**

The Information Technology for Older Adults Technical Committee was set up to address the need for IT standards to support Singapore's ageing population.

### **TC Chairman**

**A/P Calvin Chan**

Director, Office of Graduate Studies, Singapore University of Social Sciences

## **Singapore Standards under ITSATC**

- SS 618 : 2016 Guidelines on user interface design for older adults
- TR 83 : 2020 Guidelines on remote alarm monitoring and response for service providers

## **8. Internet of Things Technical Committee (IoTTC)**

The Internet of Things Technical Committee focus on the standardisation needs in IoT technologies, such as sensor networks, system interfaces, data management and security.

### **TC Chairman**

**Mr Lim Chee Kean**

Chief Executive Officer, Ascent Solutions Pte Ltd

## **International Standards Participation**

Singapore is a "Participating" member of ISO/IEC JTC 1/SC 41 Internet of Things and digital twin.

## **Singapore Standards Under IoTTC**

- TR 38 : 2014 Sensor network for smart nation (public areas)
- TR 40 : 2015 Sensor networks for smart nation (homes)
- TR 47 : 2016 Internet of Things Reference Architecture for Smart Nation
- TR 50 : 2016 Internet of Things Information and Services Interoperability for Smart Nation
- TR 64 : 2018 Guidelines for IoT security for smart nation
- TR 69-1 : 2019 Video Analytics within Video Surveillance Systems - Part 1: Reference architecture and interoperability
- TR 69-2 : 2019 Video Analytics within Video Surveillance Systems - Part 2: Selection, installation and benchmarking

## **9. Multimedia Representation Technical Committee (MRTC)**

The Multimedia Representation Technical Committee participates in the development of international standards for compression, decompression, processing and coded representation of moving pictures, audio and their combination.

### **TC Chairman**

**Mr Lim Chong Soon**

General Manager, Panasonic R&D Center Singapore

### **International Standards Participation**

The TC represents Singapore as a 'Participating' member of ISO/IEC JTC 1/SC 29 on 'Coding of audio, picture, multimedia and hypermedia information'.

## **10. Security & Privacy Standards Technical Committee (SPSTC)**

The mission of the Security & Privacy Standards Technical Committee is to promulgate the development and adoption of information security and privacy standards in Singapore. It evaluates the relevant ISO and other international or national standards for adoption and use in Singapore, and supports the development of new standards where necessary or applicable.

With the proliferation of IT, organisations in all sectors of the economy are dependent on information systems and communications networks to share information as well as conduct businesses. Hence standardisation of IT security techniques is important to protect the integrity, confidentiality, reliability and availability of IT systems.

### **TC Chairman**

**Mr Joseph Gan**

Co-Founder & President, V-Key Pte Ltd

### **TC Secretary**

**Mr Er Chiang Kai**

Chief Technology Officer, V-Key Pte Ltd

### **International Standards Participation**

The TC represents Singapore as a 'Participating' member of ISO/IEC JTC 1/SC 27 on 'Information security, cybersecurity and privacy protection'.

### **Singapore Standards Under SPSTC**

- SS 507 : 2015 Information and Communications Technology Disaster Recovery Services
- SS ISO/IEC 27001 : 2019 Information technology - Security techniques - Information security management systems - Requirements
- SS ISO/IEC 27002 : 2019 Information technology - Security techniques - Code of practice for information security controls
- SS ISO/IEC 21878 : 2019 Information technology - Security techniques - Security guidelines for design and implementation of virtualised servers
- TR 29 : 2012 (Incorporating Amendment 1, July 2012) National Authentication Framework– Authentication Operator Interface Messages
- TR 33 : 2013 Data as a Service (DaaS) Application Programming Interface (API) Design

Updated: 15 February 2021