

Indo-Pacific Digital Trade

# Regional Workshop

Pacific  
Port Vila, Vanuatu  
13-14 August 2019



# Welcome

Ms Pam Tarif

Senior International Engagement  
Manager

Standards Australia



**Welcome**

Ms Ruth Amos

Acting CEO

Vanuatu Bureau of Standards



# Opening Remarks

Mr Clinton Pobke

Development Counsellor

Department of Foreign Affairs and  
Trade, Australia



# Introductions

**STANDARDS**  
Australia



# Project Overview and Update

Torrin Marquardt  
International Engagement Manager  
Standards Australia







## Project Objectives

*Greater implementation and use of international standards to support digital trade*

*Indo-Pacific countries are more aware of digital trade and international standards that support digital trade*

*Indo-Pacific countries are better engaged in international and regional standards fora*

*Indo-Pacific countries have improved standards development processes and standards dissemination*



# Initiative Phases

## Phase 1

- Needs Analysis
- July 2018 – September 2019

## Phase 2

- Capacity Building & Institutional Strengthening
- October 2019 – March 2021

## Phase 3

- Monitoring & Evaluation and Future Planning
- April 2021 – June 2021

Section title

# Project Activities – Phase 1 – Needs Analysis



## **IN-COUNTRY ASSESSMENT**

Conduct in-country visit  
to complete ISO  
assessment tool & host  
industry stakeholders  
in roundtable to identify  
needs and priorities

Section title

# Project Activities – Phase 1 – Needs Analysis



## REGIONAL WORKSHOP

Conduct a regional workshop to discuss regional trends, share information and build regional networks

Section title

# Project Activities – Phase 1 – Needs Analysis



## CUSTOMISED COUNTRY PLAN

Report on findings and design a program of capacity building activities to be delivered in Phase 2.

**Questions?**



Indo-Pacific Digital Trade

Regional Workshop

# Session One: Standards Development





# Overview of Standards Development Practices in the Pacific



# Papua New Guinea

**STANDARDS**  
Australia





# Standardization Framework in Papua New Guinea

August 13-14, 2019

Port Vila, Vanuatu

# PRESENTATION OUTLINE

## ▣ Overview of NISIT

- Background
- Role
- Objectives
- Technical Divisions

## ▣ Standards Development Division

- Divisional Function
- Technical Committees
- Standards Development Process



## ▣ Mandatory Standards

## ▣ Collaborations

- National
- Regional
- International



# Overview of NISIT

## ▣ Background

- Established by Act of Parliament, NISIT Act 1993
- Began operations in 1994.
- Comes under Ministry of Commerce & Industry.

## ▣ Role

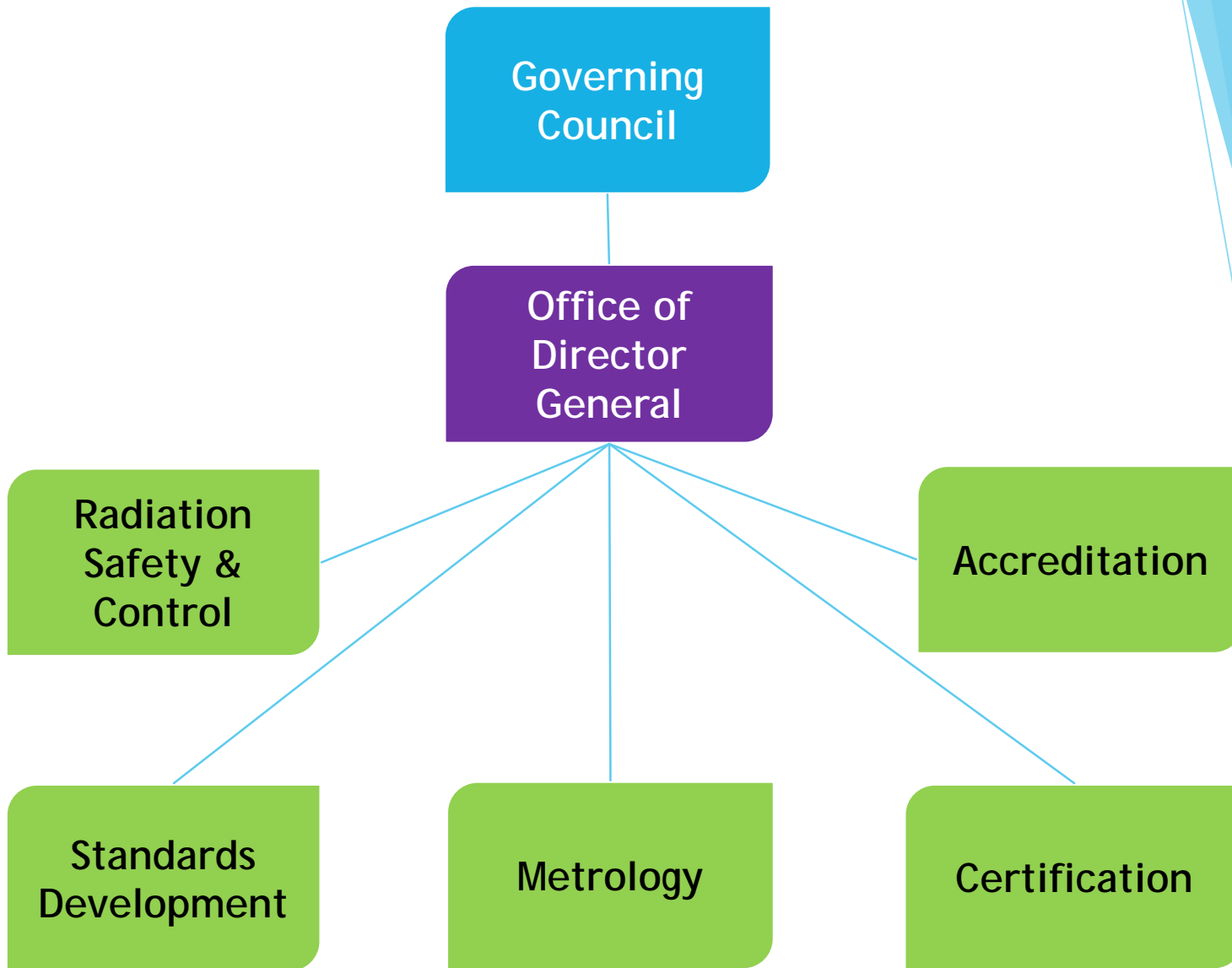
- Responsible for all standardization, metrology, quality assurance, and conformity assessment activities in PNG.

## ▣ Objectives

- Leader and authority in PNG in the area of standardization, productivity, and quality assurance.
- Standards, metrology, and conformity assessment systems compatible and aligned to internationally recognized protocols and best practices in order to enable innovation and productivity in PNG products, and their trade across international borders.









## Metrology Division

- Custodian of PNG's physical standards of measurement.
- Measurement Standards Laboratory is also responsible for provision of calibration and verification services in PNG. Accredited by NATA in October 2005 conforming to ISO/IEC 17025.





## Accreditation

- Laboratory Accreditation in PNG is compliant with ISO/IEC 17011.
- So far, ISO/IEC 17025 accreditation granted to 22 testing laboratories in PNG.





## Certification

- Providing audit and certification on companies and organization in Papua New Guinea.
- Audit & certification are based on ISO 9001 (QMS), ISO 14001 (EMS), ISO 22000 (FS), and HACCP.
- 10 companies and facilities certified to date.
- Around 6 applications received, and processed.





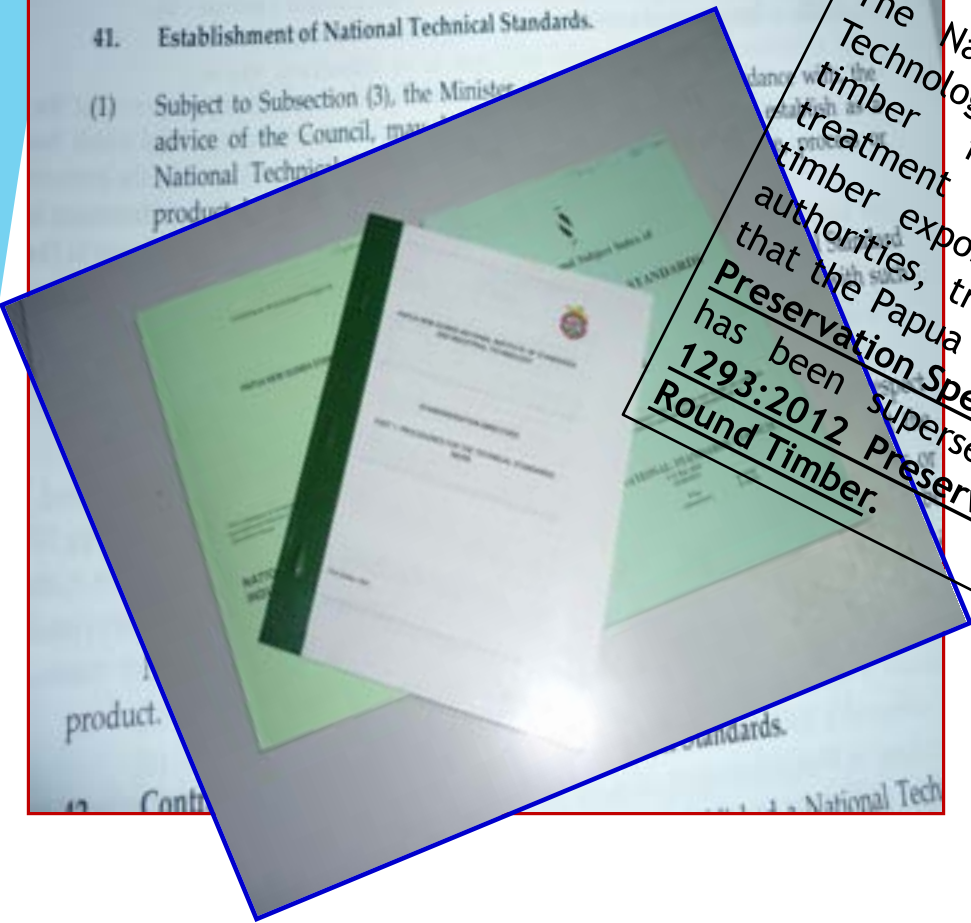
# Standards Development

A means of measurement of a physical quantity for which there is a Papua New Guinea legal unit of measurement, being a means of measurement that is required by a law of the country or of a province to be verified or re-verified for any purpose, shall be verified or re-verified in terms of one or more of those units.

## PART VII.—NATIONAL TECHNICAL STANDARDS.

### 41. Establishment of National Technical Standards.

- (1) Subject to Subsection (3), the Minister, on the advice of the Council, may, in relation to any product...



## Public Notice

The National Institute of Standards and Industrial Technology wishes to advise all stakeholders in the timber treatment industry, including construction, logging and timber exporting plants, training institutions and relevant regulatory authorities, trade associations and the general public that the Papua New Guinea Standard, PNGS 1293:1989 Preservation Specification for Sawn and Round Timber has been superseded and replaced with the PNGS 1293:2012 Preservation Specification for Sawn and Round Timber.



# Standards Development

## ► Function

- Coordinate and manage the development, adoption, maintenance and publication of PNG Standards.
- PNG Standards developed by Technical Committees (TCs).

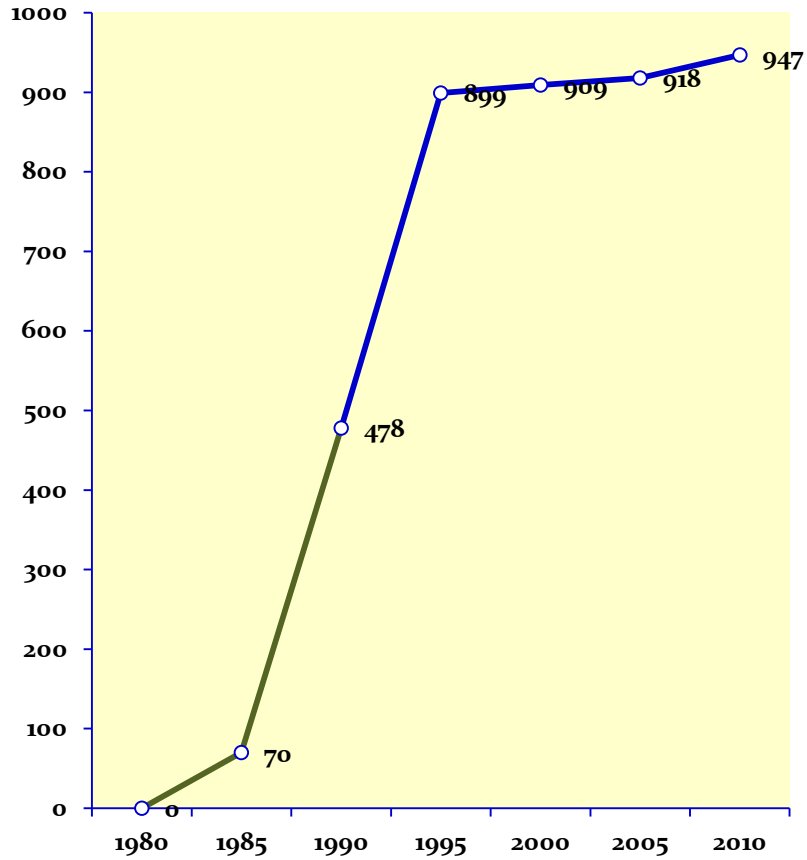
## ► Technical Committees

- 10 Technical Committees in Building, Construction, Service, Food, Industrial Chemistry, Organic Chemistry, Biology, Electrical Appliance, Electrical & Renewable Energy, and Mechanical Standards.
- Members from stakeholders such as industry groups, companies, professional institutions, regulatory bodies, academia, and Government.
- TC activities are governed by NISIT Standardization Directive.

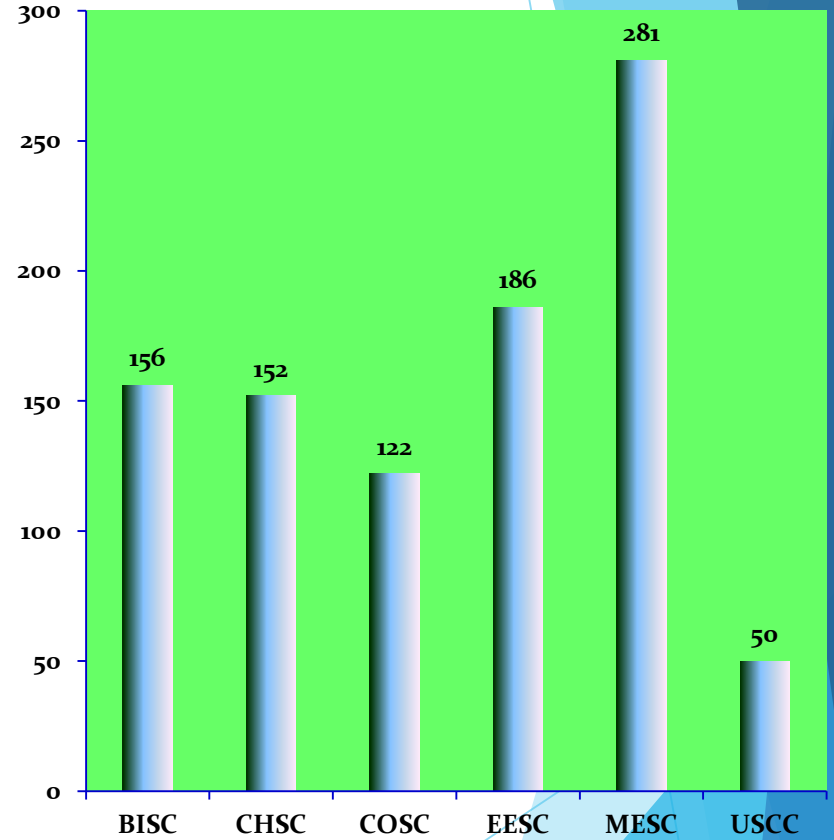




## TOTAL STANDARDS PER COUNCIL TERM



## STANDARDS PER TECHNICAL COMMITTEE



Stages	Document Name	Facilitator	Time Frame
Initiation (Proposal)	New Work Proposal (NWP)	Industry/General/Public	1 - 2 months
Development (Preparatory)	Working Draft (WD)	Committee	1 month
Comment (Committee)	Committee Draft (CD)	Committee/Public	1 - 3 months
Approval	Draft PNG Standards (DPNGS)	NISIT/Government	1-2 months
Publication	PNGS	NISIT	Available after Print
Maintenance	PNGS	NISIT/Public/Industry/ Government	5-7 years after publication



## Mandatory Standards

- All standards developed and/or adopted by NISIT are 'voluntary'.
- Standards become 'mandatory' when they are referenced in legislations.
- Example 1:- 14 PNG, 5 Australian/New Zealand, and 2 British Standards in the PNG Building Regulation.
- Example 2:- AS/NZS 3000 and AS/NZS 3018 in PNG Electricity Regulation.
- Example 3:- 22 Australian/New Zealand, and 3 ISO Standards in PNG Food Sanitation Regulation.



# Collaborations

- NISIT participates in various national, regional and international standardization programs.
- National collaborations with Forestry Authority, Fisheries Authority, Coconut & Cocoa Industry Board, PNG Manufacturing Council, Department of Communication & Information, National Information & Communication Technology Authority, Coffee Industry Board, PNG Honey Industry, International Finance Corporation, and Fresh Produce Development Agency.
- Regional collaborations with PASC, APEC-SCSC, APEC-JRAC-EEMRA, APMP, APLMF, and APAC (APLAC) MRA.
- International collaborations with ISO (corresponding member) and IEC (Affiliate Country Programme).
- WTO-TBT Enquiry & Notification Point.



# Opportunities & Challenges

## ▶ 2017 organisational restructure

- Increase staff numbers from 27 to 117 by 2021.
- Standards Development Division increase from 5 to 15 positions.

## ▶ Review of the NISIT Act of 1993

- Initial draft produced for internal and external consultations in 2019 and 2020.

## ▶ National Quality Policy

## ▶ 2020-2025 Marketing & Business Development Plan

## ▶ CSN-BSI Project

- Business Plan for Standards Development.
- Integrating of standards catalogue onto NISIT website.
- Review of the Standardization Directives.
  - Directive 1 on Standards Development Policies and Procedures.
  - Directive 2 on Standards Drafting Guidelines (PNGS 0).



# Opportunities & Challenges

## ▶ Trainings for Project Managers and TC Chairpersons

- Drawings using appropriate softwares including Autocad, Civilcad, etc.
- Stakeholder engagement.
- Committee meeting procedures.

## ▶ Conversion of all hard-copy standards into e-copies

- Softwares and required trainings to assist with the conversions.
- Training on uploading and maintaining of Standards Catalogue on NISIT website.

## ▶ Shortening the time to develop a Standard

- NISIT Governing Council as the ultimate body to approve Standards for publication.
- Only mandatory standards to go for Ministerial Approval and Gazettal.

## ▶ Consider changing from current TC format to Standing Committees

## ▶ Publication and printing of Standards

- Training of Standards Information Officer.
- Copyright and Intellectual Property.
- Standards publication and printing contracts.





## Conclusion

In the most recent past, need for standards, metrology, and conformity assessment services have been increasing, while the number of qualified staff remained stagnant. Approval of the new organizational and staffing structure in 2017 was a welcomed intervention by Government to relieve this pressure.

Training of the new staff to become proficient in carrying out their responsibilities will be a challenge over the next couple of years, especially the costs. In this regard, assistance from NISIT's sister-organisations in the region, and also ISO, IEC, and APEC-SCSC will be needed.

The CSN-BSI Project is assisting to put in place the necessary 'building blocks' for NQI. Training is required to ensure effective and efficient coordination of all aspects of the NQI.

Capacity building including specialised trainings for staff in computer drawings, standards editing, publication, and printing of standards is needed.



**THANK YOU !!!**



**Samoa**

**STANDARDS**  
Australia



# NATIONAL STANDARDS SAMOA (NSS)

PACIFIC REGIONAL WORKSHOP INDO-PACIFIC DIGITAL TRADE STANDARDIZATION INITIATIVE

PORT VILLA, VANUATU, 13-14 AUGUST 2019

Delegates: Ioane Okesene (ACEO Legal Division)  
Joyce Fainuulelei (Fair Trading Officer)  
Max Lee-Lo (Senior Fair Trading Officer)

# OVERVIEW

- Background
- About National Standards Samoa
- Standards Development Guide
- Standards Development Process
- Current projects
- Challenges
- Successes

# BACKGROUND

- National Standards of Samoa (NSS) is the unit within Ministry of Commerce, Industry and Labour (MCIL) under the Fair Trading Division undertaking the standardization work of MCIL, as the National Standards Body registered on the WTO ISO Standards Information Gateway for all facets of national standardization.
- There is no local legal mandate that guides the work of the NSS in the development and management of national standards.
- However, we are in the process of getting a Cabinet Directive to give the NSS the authority to fully operate.



# ABOUT NATIONAL STANDARDS SAMOA

- We were established in 2018 as the National Standards Body for Samoa and are specialists in the development and adoption of internationally-harmonised standards in Samoa.
- As the recognized National Standards Body entrusted to administer the Samoan standardization program, we facilitate the development of national standards based on the needs of industry, community and government.
- We collaborate with key stakeholders from industry, community and government to;
  - Identify and develop new national standards to support; industry development & innervation and social, safety, health and environmental initiatives.
  - Publish Samoan national standards
  - Represent Samoa at regional and international forums
- While we develop national standards, we are not responsible for enforcing, regulating or certifying compliance with those standards

# STANDARDS DEVELOPMENT GUIDE



## Standardisation

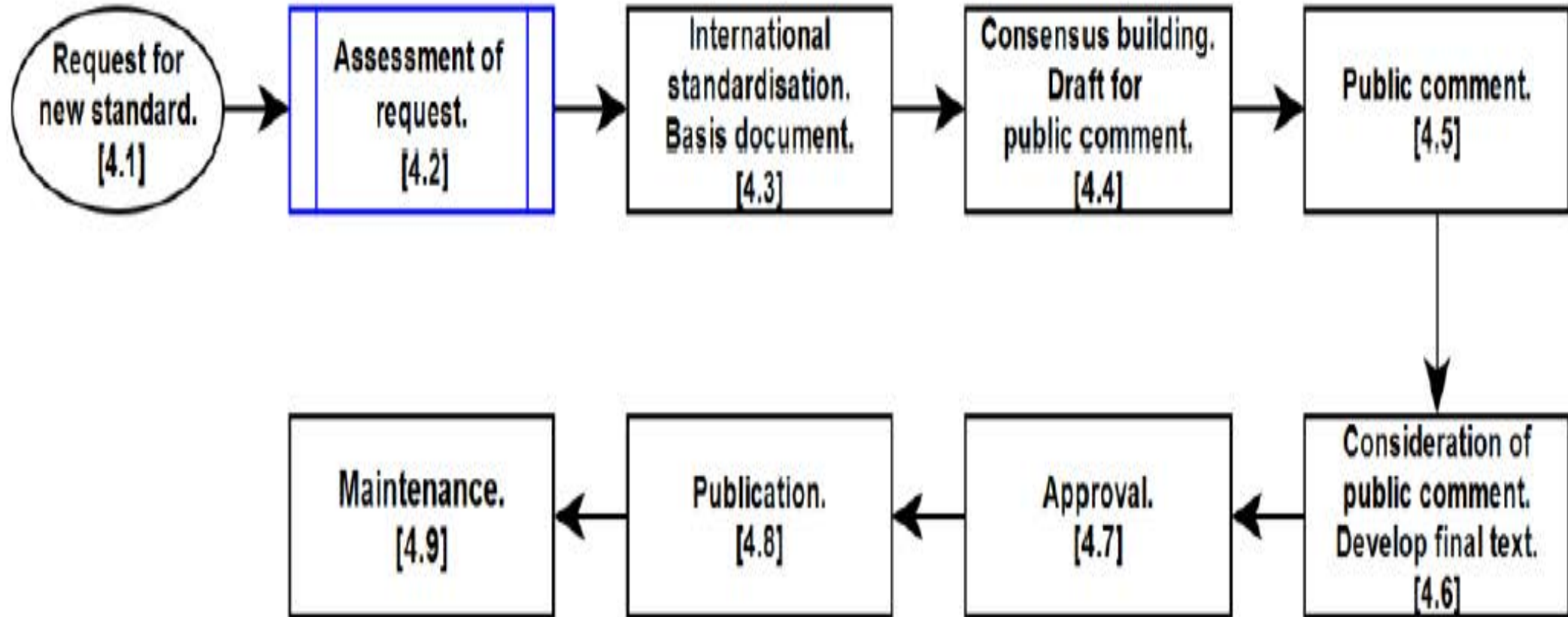
Guide 001 – Developing Standards.  
National Standards Samoa.

## Scope and Purpose

The purpose of this Guide is to outline, from a Samoan perspective, the principles, processes and accepted practices for development of National Standards by the National Standards Samoa, facilitated by Ministry of Commerce, Industry and Labour (MCIL) as the nominated National Standards Body (NSB) of Samoa. The principles, processes and accepted practices set out in this guide do not include detail or commentary of MCIL's non-NSB activities.



# STANDARDS DEVELOPMENT PROCESS



# STANDARDS DEVELOPMENT PROCESS 2

## 4.1 Request for new standards

The proposer of a new standardization project is expected to provide, in their request, sufficient information and detail to demonstrate;

- a) That there is a broad based need and community net benefit, and
- b) That the new project is likely to be well supported by a wide range of relevant stakeholders.

## 4.2 Assessment of request

Available resources for standardization are finite and in the interests of best practice and community accountability, a process of carefully evaluating proposals for new standardization projects is undertaken by the NSS to ensure a level playing field for proposed new projects

## 4.3 International Standardization. Basis document

- The NSS has the policy of adopting, where ever possible, international standards as Samoan standards. Application of this policy is intended to fulfil the obligations of the WTO TBT
- Where an international standard relevant to the scope of the new project exists, that standard will be considered the basis document for review by the working group for its potential adoption as a national standard.

## 4.4 Consensus Building, draft for public comment

Development of Samoan National Standards is a cooperative exercise that needs involvement and injection from a broad range stakeholder's. This exercise is the foundation of the standards development process and as such, requires that the Technical Working Group be able to draw on sufficient depth of understanding and knowledge of the subject, in respect to needs of stakeholders affected by the standard

# STANDARDS DEVELOPMENT PROCESS 3

## 4.5 Public Comment (60 days)

An important stage in the development of each National Standard is the public comment period, which offers anyone the opportunity to influence the standards being developed for Samoa. Therefore NSS will publicly announce, through a variety of methods, when each new DPC is available. Methods that may be used to make those announcements include;

- Via the SA website.
- Announcement in print and electronic media.
- Social media platforms. And
- Targeted correspondence to key stakeholder groups (based on the nature of the standards work).

## 4.6 Develop final text

At the expiry of the public comment period;

- The TWG secretariat shall consolidate and compile all public comment for consideration by the TWG.
- The TWG who drafted the standard will reconvene to seriously consider all comments received and determine which proposed changes will be adopted into the standard. During this process the same management practices that applied during the 'Consensus building, drafting for public comment' stage shall continue to apply.

## 4.7 Approval

- At the approval stage the final draft text of the proposed standard shall be distributed by the respective TWG chairperson to all the TWG members for a 1 week ballot.
- Within 2 weeks of the TWG approving a standard the respective TWG chairperson shall submit the final draft of the standard to the CEO of MCIL for secondary approval.

# STANDARDS DEVELOPMENT PROCESS 4

## **4.8 Publication**

Standards should only be developed where a need has been established, therefore publication of a new standard shall be achieved as quickly as possible following its approval.

## **4.9 Maintenance**

To ensure that national standards continue to mirror contemporary practice, up-to-date industry technology and broader societal needs, they will be subjected to regular systematic review no less than once every 5 years.

## **4.10 Intellectual property rights**

All copyright content set out in Samoan Standards will normally be copyrighted by NSS, or of another copyright owner who has licensed or given provision for that content to be included.



# NATIONAL STANDARDS SAMOA CURRENT PROJECT & WAY FORWARD

- Adoption of the Australian and New Zealand Standards for Polyethylene Storage tanks for water and chemicals AS/NZS 4766: 2006.
- Currently consulting with Occupational Safety and Health Division of the MCIL and other stakeholders for new standards to be adopted.

# CHALLENGES

- Lack of staff capacity on standards development.
- Lack of understanding on the roles and benefits of standardization.
- Misunderstanding in the terms of Voluntary and Mandatory standards.
- Lack of stakeholders engagement and participation.

# SUCCESSSES

**SNS 4766: 2019 Polyethylene storage tanks for water and chemicals.**  
**AS/NZS 4766: 2006 Polyethylene storage tanks for water and chemicals.**

Source: Standards Australia

Technical working group: SC-001 Polyethylene tank standard working group.

Comment period start date: 11<sup>th</sup> July 2019

Comment period end date: 8<sup>th</sup> September 2019

**Comment by:  
8<sup>th</sup> September**

### Comment on a Draft Standard

An important stage in the development of a Samoan National Standard is the public comment period. Anyone who feels they have something to contribute to the draft standard should use the public comment period to provide their view on its provisions. All comments will be considered in detail by the relevant Technical working group and, if necessary, further drafting will be undertaken prior to its publication. Please note that individual feedback will not be given by the working group on the comments provided.

#### How to make comment on this Draft Standard.

A copy of the draft standard is available for viewing at the National Standards Samoa (NSS) office, Level 3, ACC Building Apia, Samoa.  
A copy of the comments form can be obtained from the NSS office and should be submitted, by the deadline listed above, to:

Mr. Max Lee Lo  
Ministry of Commerce, Industry and Labour  
PO Box 862  
Apia  
Email: [max.leelo@mcil.gov.ws](mailto:max.leelo@mcil.gov.ws)  
Telephone: +685 20443 ext. 140

### Scope

This Standard specifies requirements for the design and manufacture of polyethylene storage tanks that are rotationally moulded in one-piece seamless construction. The tanks are for non-buried, vertical installation and capable of containing water, liquids used in food and beverage manufacture and chemical solutions at atmospheric pressure.  
Separation of the roof (lid) from the body of the tank, after moulding, is permitted for transport purposes, provided that –  
a. the structural integrity of the tank is not adversely affected after the roof has been refitted by the manufacturer or its nominated representative in a manner

Activate Windows  
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Thank you 😊



**Tonga**

**STANDARDS**  
Australia



# **Indo-Pacific Digital Trade Standardisation Initiative Regional Workshop**

**Tonga Team: Paula Taumoepeau, President -Tonga Chamber of Commerce  
Sandra Fifita, D/CEO Consumer Protection and Fair Trade, MTED  
Pauline Siasau, D/CEO Trade Division, MTED**

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MINISTRY OF TRADE AND ECONOMIC DEVELOPMENT

13-14 AUGUST 2019

NUKUALOFA, TONGA

# Contents

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- ❑ Organisational overview
- ❑ Current environment for standards in Tonga
- ❑ Key issues/challenges
- ❑ Way forward

# Organizational Overview

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- ❑ Government's leading Ministry in developing, stimulating and promoting economic development.
- ❑ The Ministry operates in an environment guided by the Constitution of Tonga and seventeen (17) legislations including Consumer Protection Act and Weight and Measures Act under MTED.

# Organizational Overview

- MTED contributes to the achievement of the Tonga Strategic Development Framework II national impact of a **more progressive Tonga, supporting a higher quality of life for all, through more inclusive and sustainable economic growth and development** through:
  - Promoting an **enabling business environment** that is conducive to inclusive, sustainable and resilient economic growth;
  - Providing **targeted support to promote entrepreneurship and build the productive capacity of local businesses**;
  - Providing **targeted support to increase and diversify Tongan exports and promote FDI**;
  - Developing a **robust consumer protection and fair trade regime that shapes consumer and business behaviour**

# External Trade Key Outputs

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- ❑ Strategy to identify new exports products and market
- ❑ Strategy to increase foreign investment inflows
- ❑ Strategy to promote consumer protection and fair trade regime
- ❑ Strategy to increase market access for Tongan exports and advance Tonga's gains from international trade
  - ❑ MTED; Focal contact point on WTO Technical Barriers to Trade (TBT) Agreement which covers standards, accreditation, conformity assessment

# Standard Bodies

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- ❑ Metrology – Ministry of Trade and Economic Development
- ❑ Consumer Protection ( Competition Policies/Export Regulation/Import Regulation) – Ministry of Trade & Economic Development & Ministry of Revenue & Customs, MAF
- ❑ Export Sectors – Ministry of Agriculture, Food and Forestry

# Standard Bodies

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- ❑ Domestic Sectors – ( Building, Industrial, Transport ( incl Safety) Consumer Products, Environmental Management, Public health
- ❑ Services – ( ICT) Public Utilities, Tourism & Natural Resources, Transport



# Law and regulations on standards

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- ❑ Consumer Protection Act 2000 & Consumer Protection (Product Safety And Labelling Standards) Regulation 2006
  - ❑ Weights & Measures Act 1988, Weights & Measures (Amendment) Act 1997 & Weights & Measures (Amendment) Act 1998
- ❑ Building Control and Standards Act 2016
- ❑ Petroleum Act 2016
- ❑ Food Act 2016
- ❑ Transport Services Act 2011
- ❑ MEPLS ( under the Energy Bill developed)

# Digital Trade Standards Activities

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- ❑ National Trade Standards Initiative in compliance with WTO Technical Barriers to Trade (TBT) and WTO Trade Facilitation Agreement (TFA)
- ❑ E-Commerce/ E-trade Initiative:
  - E-trade Readiness Assessment
  - Regulatory Framework, availability of data, connectivity issue, availability of supporting infrastructure, security of users etc
- ❑ Information and Communication Technology (ICT):
  - Government of Tonga E-government
- ❑ Trade Facilitation across borders (WTO Trade Facilitation Agreement)
  - Set up of ASYCUDA World and National Single Window
  - Availability of supporting infrastructure, availability of data

# Challenges

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## ❑ Legislative

- lack of coordination of legislation within the country
- Lack of coordination and harmonisation within the region
- Lack legal and technical capacity to draft legislation

## ❑ Standardisation and the use of standards

- lack of coordination in the development of standards
- Lack of technical capacity to adopt/draft standards
- Lack and of experience and guidance
- Lack of understanding of the role and benefit of standards

# Challenges

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## ❑ Challenges in the metrology System

- Metrology system needs to be modernized
- Lack of technical capacity of Enforcement officers
- Metrology system does not accommodate local demand

## ❑ Conformity assessment

- Lack of certification services
- No testing laboratories
- Outdated calibration equipment
- Lack of technical capacity of enforcement officers

# Way Forward

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- ❑ Formalise the establishment of NSB under the Ministry of Trade and Economic Development's Trade Division
- ❑ Establishment of a technical committee to coordinate Standards programs in Tonga
- ❑ Development of Trade Standards strategy for Tonga
- ❑ Development of a Bill and Regulation for the establishment of an independent National Standard Body

**Vanuatu**

**STANDARDS**  
Australia



# Morning Tea

**STANDARDS**  
Australia



# Activity

Key takeaways from other countries' presentations





# Session Two: International and Regional Standardisation





Maya Ishikawa



# Overview of ISO and key initiatives

**MAYA ISHIKAWA**

Project manager, ISO Regional Engagement Initiative, Asia



**WHY**

involve in ISO?

**HOW**

to get involved?

**WHAT**

are the support?

# ISO at a glance



# ISO snapshot



We are an independent, non-governmental organization.



We are a global network of national standards bodies with one member per country.



Our job is to make International Standards.



We are coordinated by a Central Secretariat in Geneva, Switzerland.





# ISO snapshot



We are not for profit : selling our standards allows us to finance their development in a neutral environment, to maintain them and to make new ones.



ISO provides a platform for developing practical tools through common understanding and cooperation with all stakeholders.

**164**  
members

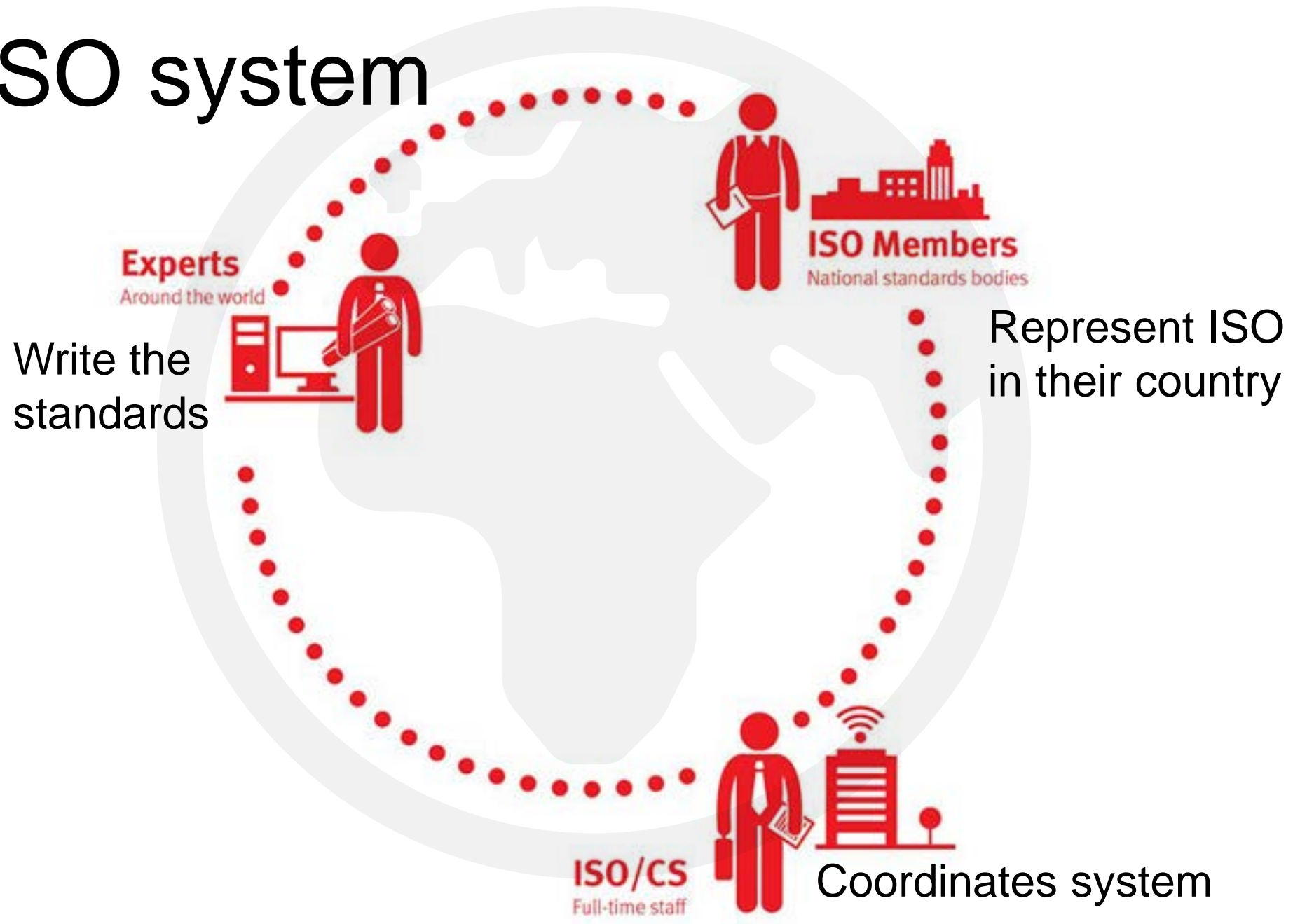
**100**  
new standards each month

**> 22,000**  
International Standards

**> 250**  
technical committees



# The ISO system





# Breadth of ISO's work in recent years

## 2013

- Sludge recovery, recycling, treatment and disposal
- Biotechnology
- Sustainable purchasing
- Anti-bribery management system – Requirements
- Innovation management
- Management consultancy
- Fine bubble technology
- Water re-use
- Occupational health & safety management systems
- Clean cookstoves and cooking solutions
- Collaborative business relationship management – Framework
- Chain of Custody of Forest Based Products – Requirements
- Educational organizations management systems - Requirements with guidance for use

## 2014

- Brand evaluation
- Online reputation
- Domestic gas cooking appliances
- Security and resilience
- Feed machinery

## 2015

- Security
- Forensic sciences
- Asset management
- Bamboo and rattan
- Waste management, recycling and road operation services
- Rare earth
- Robotics
- Solid Recovered Fuels
- Guidance on unit pricing
- Audit data collection

## 2016

- Energy management and energy savings
- Guidelines for auditing management systems
- Guidelines on consumer warranties and guarantees
- Healthcare organization management
- Sustainable non-sewered sanitation systems
- Foundry machinery
- Blockchain and distributed ledger technologies
- Chain of custody
- Governance of organizations
- Wheeled child conveyances

## 2017

- Collaborative business relationship management
- Vulnerable consumers
- Excellence in service

## 2018

- Transaction assurance in E-commerce
- Sustainable finance
- Consumer protection: privacy by design for consumer goods and services

## 2019

- Sharing Economy

*New ISO groups touching upon sustainability pillars:*

- Environment
- Economic
- Societal

# WHY join ISO? – Benefits for all parties



# Standards facilitate:

- Trade and access to markets
- Quality, safety, environment and health
- Interoperability
- Optimization of infrastructures
- Evaluation and demonstration of conformity



# Benefits for government

- Standards as the basis of regulation
- Cost-effective
- High degree of acceptance



# Benefits for consumers

- Safety, quality, performance, reliability
- Benefits of sustainable development – health, safety, social aspects





# Benefits for business

- Cut costs
- Increase customer satisfaction
- Access new markets
- Reduce their impact on the environment



# Not just big business

SMEs benefit too :

- Quality
- Credibility, trust
- Global best practice and expertise
- Less costs, more performance
- New markets
- Regulations



Ronald  
Ramjattan,  
Entrepreneur



Case Study:

# Baron Foods

- Established by two people in Saint Lucia
- The use of standards was introduced in 2003
  - ISO 22000 *food safety management systems*
- Standards **have also been essential to get recognition** from demanding regional and global retailers
- Economic benefits generated by standards:
  - **5.6%** of the company gross profits
  - corresponding to about 2% of the total company revenue





Case Study:

# Water Senegal

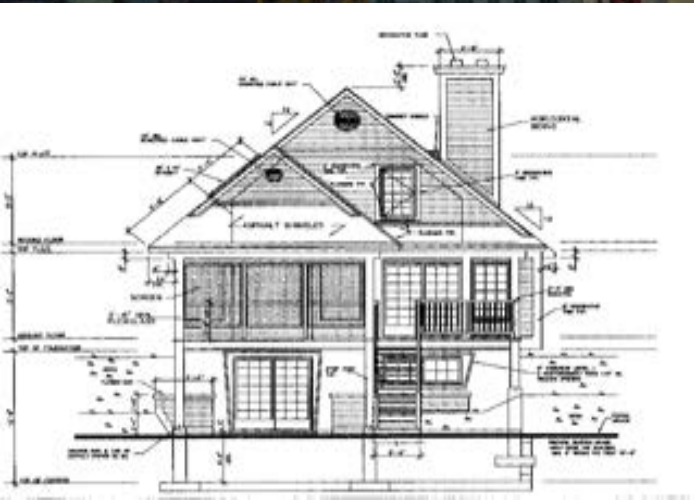
- Instrumental in establishing a viable urban drinking system in Senegal
- Main use of standards - **streamline operations** in drinking water services
- ISO 14001:2004, *Environmental management systems*
- ISO 9001:2008, *Quality management systems*
- OHSAS 18001:2007, *Occupational health and safety management system*
- Economic benefits generated by standards - **USD 2.77 million** (1.9% of the annual sales revenue)



Case Study:

# Building & Construction Authority

- Singapore regulatory authority in Singapore
- Main use of standards – electronic submission of technical drawing for regulatory approval
- CP83, *Construction Computer Aided Design Standards* - Standardised building design drawing symbols, naming and organisation of drawings and files across the industry
- Facilitate the exchange of technical drawings electronically across the whole value chain – between the different architects, structural engineers and design firms.
- Economic benefits generated by standards – **SGD 338M (or USD 250M)** from 2003 to 2012



WHY join ISO? – To stay  
relevant to global concerns





# Digital Trade

- In the era of fourth industrial revolution – blurring the lines between the physical, digital and biological worlds
- **Internet** covering everything –what should be ensured?
- **Keywords:**  
(ref. ISO Services Workshop in June 2019)
  - **Trust (cybersecurity and data privacy)**
  - **Interoperability**
  - **Consumer Protection**

# ISO Services Workshop

Singapore, 24 – 25 June 2019

## Key highlights:

- ✓ Appx. 200 participants attended
- ✓ Key areas: Trust (cybersecurity and data privacy), Interoperability, and Consumer Protection. Includes Presentations regarding ISO 20022 (Financial services), ISO/IEC 27001 (Information Security Management Systems), IWA 27 (Sharing Economy), ISO/TC 324 (E-commerce)





# Cyber security

- ISO/IEC JTC1/SC 27
- ISO/IEC 27000 series – the ‘cyber-risk toolbox’
- ISO/TC 262
- ISO 31000 Risk management



# Lists of standards (Cyber Security)

TC	RELEVANT STANDARDS
ISO/IEC JTC1/SC27	<ul style="list-style-type: none"><li>• ISO/IEC 27001 [ISMS Requirements]</li><li>• ISO/IEC 27005 [ISMS Risk management]</li><li>• ISO/IEC 27017 [Cloud Security]</li><li>• ISO/IEC 27552 [Data Privacy]</li></ul>
ISO/TC 262	<ul style="list-style-type: none"><li>• ISO 31000 [Risk management]</li></ul>

# Interoperability

- ISO/TC 68/SC9
- ISO 20022 series – Universal financial industry message scheme
  - **SWIFT** decision to adopt ISO 20022
  - In the next five years, **89% of transactions worldwide** is thought to be supported by this ISO 20022



# Lists of standards (Interoperability)

TC	RELEVANT STANDARDS
ISO/TC 68/SC9	<ul style="list-style-type: none"><li>• ISO 20022 series (part 1 to 8) [universal financial industry message scheme]</li></ul>
ISO/IEC JTC1	<ul style="list-style-type: none"><li>• ISO/IEC 30182 [data interoperability]</li></ul>
ISO/IEC JTC1/SC38	<ul style="list-style-type: none"><li>• ISO/IEC 17789 [cloud computing]</li></ul>
ISO/TC 307	Block chain <ul style="list-style-type: none"><li>• ISO/CD 23257 [reference architecture]</li><li>• ISO/WD TS 23635 [taxonomy]</li><li>• ISO/NP TS 23635 [governance]</li></ul>
ISO/TC 154	<ul style="list-style-type: none"><li>• ISO 7372 [Trade data elements directory]</li><li>• ISO 20625 [EDIFACT]</li><li>• ISO 8601 [Data interchange of Date/Time]</li></ul>

# Consumer protection

- ISO/TC 176/SC 3
- ISO 10008 – Guidelines for business-to-consumer electronic commerce transactions



# Lists of standards (Consumer Protection)

TC	RELEVANT STANDARDS
ISO/TC 176/SC3	Customer Satisfaction <ul style="list-style-type: none"><li>• ISO 10008 [e-commerce transactions]</li></ul>
ISO/TC 290	<ul style="list-style-type: none"><li>• ISO 20488 [online consumer reviews]</li></ul>
ISO/PC 317	<ul style="list-style-type: none"><li>• ISO 31700 [privacy by design]</li></ul>
--	<ul style="list-style-type: none"><li>• ISO 10393 [consumer product recall]</li><li>• ISO 10377 [consumer product safety]</li><li>• ISO 18295 series [customer contact centres]</li></ul>

# HOW to join ISO?



# ISO Membership

- **One** member per country
- Member categories:
  1. Full members
  2. Correspondent members
  3. Subscriber members
- Membership fee

\*\*Download the manual from:

<https://www.iso.org/publication/PUB100399.html>





ISO Week 2019

# ON THE PATH TO 2030

16-20 September 2019  
Cape Town, South Africa



# Standards at the heart of the Global Agenda

Environment –  
the urgency of  
sustainability

Technology  
– the impact  
of digital

Economic  
and trade  
uncertainty

Society –  
changing  
expectations  
and  
behaviors





WHAT are the supports ISO provide?

# Support for developing countries

- Technical assistance and training courses under **ISO Action Plan for developing countries (APDC)**
  - involving more than 105 countries and 3,000 people world wide (2016)
  - 43 NSBs taking advantage of the sponsorship (2016)
- **ISO/DEVCO** – committee to support developing countries





# Support for correspondent and subscribing members

- New Rights Programme (for correspondent/subscribing members)
  - Can participate to **5 TCs as P-members** for a max. of 5 years



# Peer-support between members (Twinning)

- Facilitating Twinning Arrangements
  - P-member twinning
  - Get support from the lead partner to know about the works of a specific committee, obligations of vote, etc.





# Support for the region

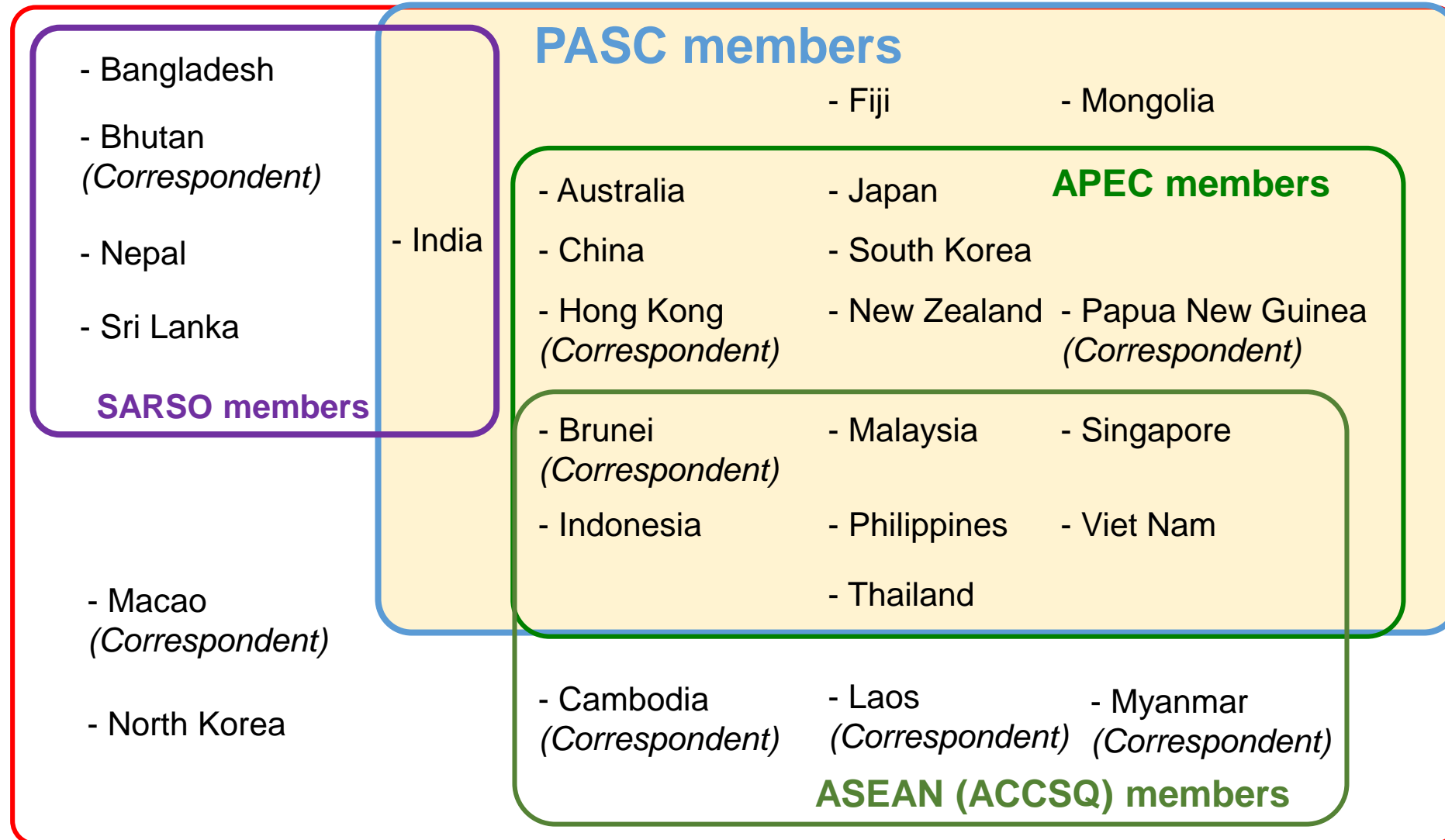
- ISO Regional Engagement Initiative – Asia (**ISO/REI**)
- Office in Singapore
- Providing support by promoting communications, collaborations, strengthening advocacy and capacity building of the region
- Covering **26** (+1, welcome Vanuatu!) members in the region

# ISO Regional Engagement Initiative - Asia



# ISO/REI – Asia Members

## ISO/RO members (Total 26)





# Activities of ISO REI

## Promote communication, collaboration and partnerships:

- Active participation in regional meetings on standardization - PASC, ASEAN, APEC, NEASF and SARSO
- Virtual communication platform through Zoom meetings (monthly)

## Strengthen advocacy:

- Participation to international, regional and national advocacy activities
  - International Standards Olympiad
  - In-country member visits
  - World Standards Day celebrations

## Support Capacity building:

- ISO CASCO Educational Toolbox Workshop in Bangkok (**20-21 August**)
- Marketing and Communication Workshop in Qingdao (**Dec 2019**)



Thank you

# Annex 1 – List of Guidance documents

# List of Guidance documents

- ISO Annual Report 2018 (<https://www.iso.org/publication/PUB100385.html>)
- Membership Manual (<https://www.iso.org/publication/PUB100399.html>)
- ISO Action Plan for Developing Countries (<https://www.iso.org/publication/PUB100374.html>)
- Using and referencing ISO and IEC standards to support public policy (<https://www.iso.org/publication/PUB100358.html>)
- Fast Forward (guidance for developing countries) (<https://www.iso.org/publication/PUB100038.html>)

# Annex 2 – Summary of ISO/REI activities in 2018 (key achievements)

# 1. Promote Communication, Collaboration and Partnerships

Key Achievements of  
ISO/REI (2018)

- **ASEAN**

- ✓ Contributed to ISO Standards used for ASEAN harmonization
- ✓ Facilitated more active participation, e.g. STAMEQ leading a Project Group for the 1<sup>st</sup> time and facilitated twinning arrangements with JISC
- ✓ Facilitated the adoption of ISO Standards for Lao PDR and Myanmar, who had never adopted ISO Standards previously

- **APEC**

- ✓ Contributed to ISO Standards included under APEC VAP for standards alignment in APEC economies
- ✓ Facilitated collaborations between AFNOR and STAMEQ – participation at APEC Smart Cities workshop

- **SARSO**

- ✓ Assisting in the use of ISO Standards for SARSO harmonization
- ✓ Assisting the development of the standardization strategies for SARSO and its members in line with ISO Strategy 2016-2020

- **PASC**

- ✓ Collaborations on APEC project on Silver Economy, enhancing the new ISO/TC314 on Ageing Societies
- ✓ Piloted a dedicated WebEx for the water authorities among the PASC members, successfully led to the approval of the PC316 on Water Efficient Products – Banding



- **WebEx**

- ✓ Successful approval of NWIPs shared in the REI WebEx sessions, e.g. China NWIP on Bee Product, Australia NWIP on Water Efficiency Product Banding, and Japan NWIP on Refrigerated Delivery Services
- ✓ Helped members strengthened relationship with important stakeholders, e.g. Standards Australia and JISC with important stakeholders such as the Department of Agriculture and Water Resources of Australia and Yamato Holdings respectively
- ✓ Helped ISO/PC 305 Sustainable Non-Sewered Sanitation Systems to raise awareness and recruit more Members from Asia-Pacific

- **CASCO / COPOLCO**

- ✓ successfully engaged APEC and ASEAN in the CASCO STAR meeting and linked up COPOLCO with ASEAN



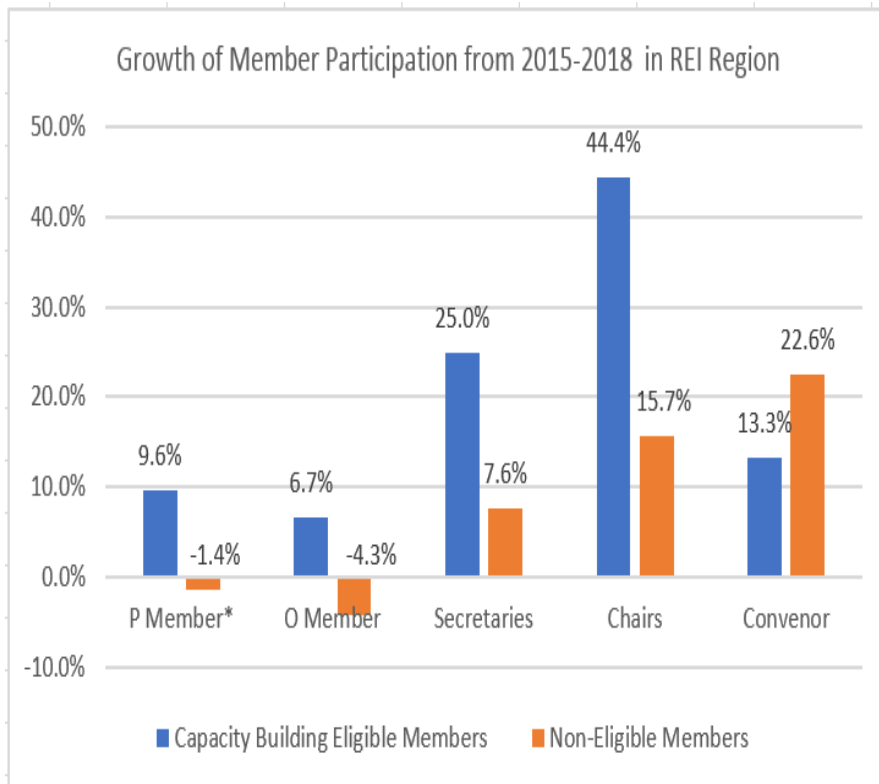
- Increase in the governmental support to the ISO Members and recognition of their contribution in national priorities, e.g. quality and standards included in the national plans and ongoing discussions with donors such as Australian DFAT
- Successful mass media coverage, e.g. in Malaysia, Korea, India and Thailand
- Recommendations by UNEP - encourage more national adoptions of ISO Standards and more active participation in TC 86, Refrigeration and Air Conditioning

### 3. Support Training and Technical Assistance

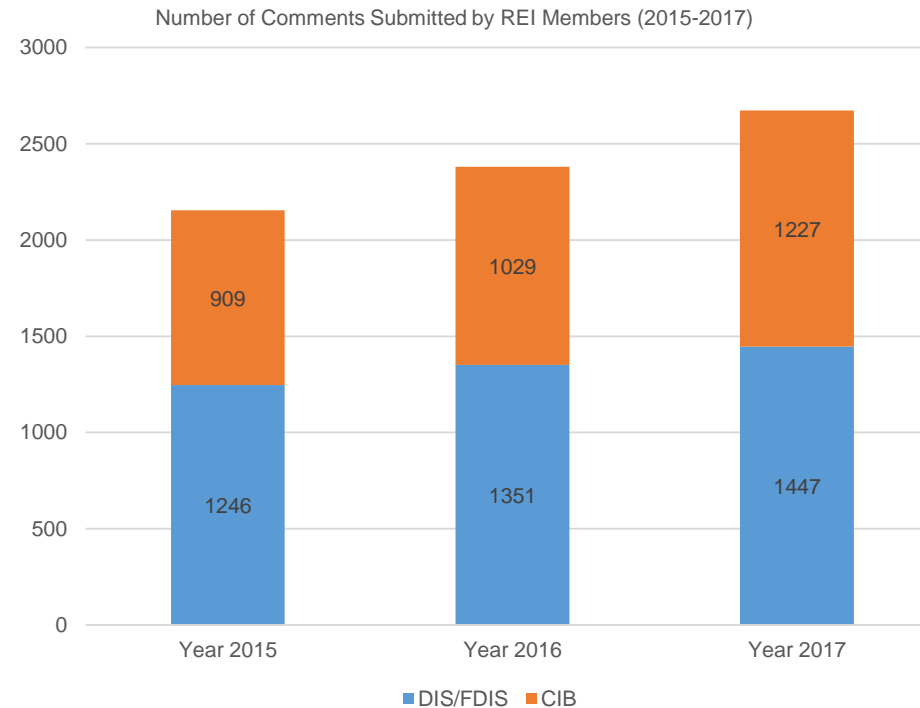
- Increased participation
  - total number of persons trained doubled
  - more training workshops with improved participation rate (missed rate of 31% down to 11%)
- Closer follow up post workshop to better achieve the desired impact
  - Mongolia and Cambodia – finalized the national standardization strategies (NSS)
  - Change of “P” membership for Cambodia and Lao PDR based on their national priorities
- Organized CEO Forum and supported first Secretaries Week outside Geneva – helped participants to save time and resources
- Support from Members and partners to organize regional workshops to supplement the APDC Workshops
  - Joint workshop with IEC and Standards Australia on Guide 21 - support ASEAN Member States in the use and adoption of ISO Standards as part of ASEAN regional harmonization
  - 2 Joint workshops with JISC to put up NWIP at ISO
  - INS for Myanmar together with Standards Australia and Enterprise Singapore
  - Joint conference with UN/ESCAP on raising awareness of standards in 2019

## 4. Other results

- Facilitated the upgrade of membership for Lao PDR from Subscriber to Correspondent Member in 2017, i.e. all Members in REI region are Correspondent and Full Members
- Increase in sales revenue
- Increased participation of Members



\* Exclude Philippines and Sri Lanka – streamlined their P-membership for more focused participation



- Opportunities for Members beyond the REI region
  - ✓ Collaborations between France and Vietnam at APEC Smart Cities Workshop
  - ✓ Collaborations between US and Nepal & Indonesia on ISO/PC 305 Sustainable Non-Sewered Sanitation Systems
  - ✓ Replicating the REI experience in other regions and contribute to the implementation of the Regional Engagement Guidelines
- Results from Member's survey (from 18 Members – to be refined)
  - ✓ A majority of Members (73%) is very and extremely satisfied with how the REI helps them as a Member body. The remaining 27% is satisfied with REI's performance
  - ✓ A large majority of Members (87%) is very and extremely satisfied with the mode of engagement with the REI (e.g. through WebEx meetings, phone calls, emails, meet-up at ISO Forums)
  - ✓ 67% of the Members feels that the REI made significant improvements compared to the landscape before 2015. The remaining 33% agreed that moderate improvements were made
  - ✓ Most Members agreed that current model of the REI is appropriate



Presented by  
Standards Australia





**Antoinette PITTELOUD**  
External Liaisons Officer –  
[api@iec.ch](mailto:api@iec.ch) IEC [www.iec.ch](http://www.iec.ch)  
Skype antoinette-iec

**Training Affiliates**

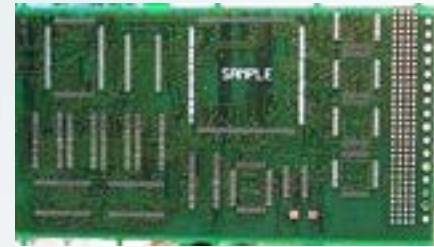


INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION



# IEC – 100 years of experience

- Founded in 1906
- To promote international co-operation on all questions of standardization and conformity assessment
- Preparation of International Standards



# Scope of the IEC

Millions of devices and systems that use or produce electricity and contain electronics.

Interoperability, safety, performance, EMC, waste management and environment



# Biggest trade good in the world

**World trade in electronics & electrical devices: 17.7% (USD \*2,893 trillion)**

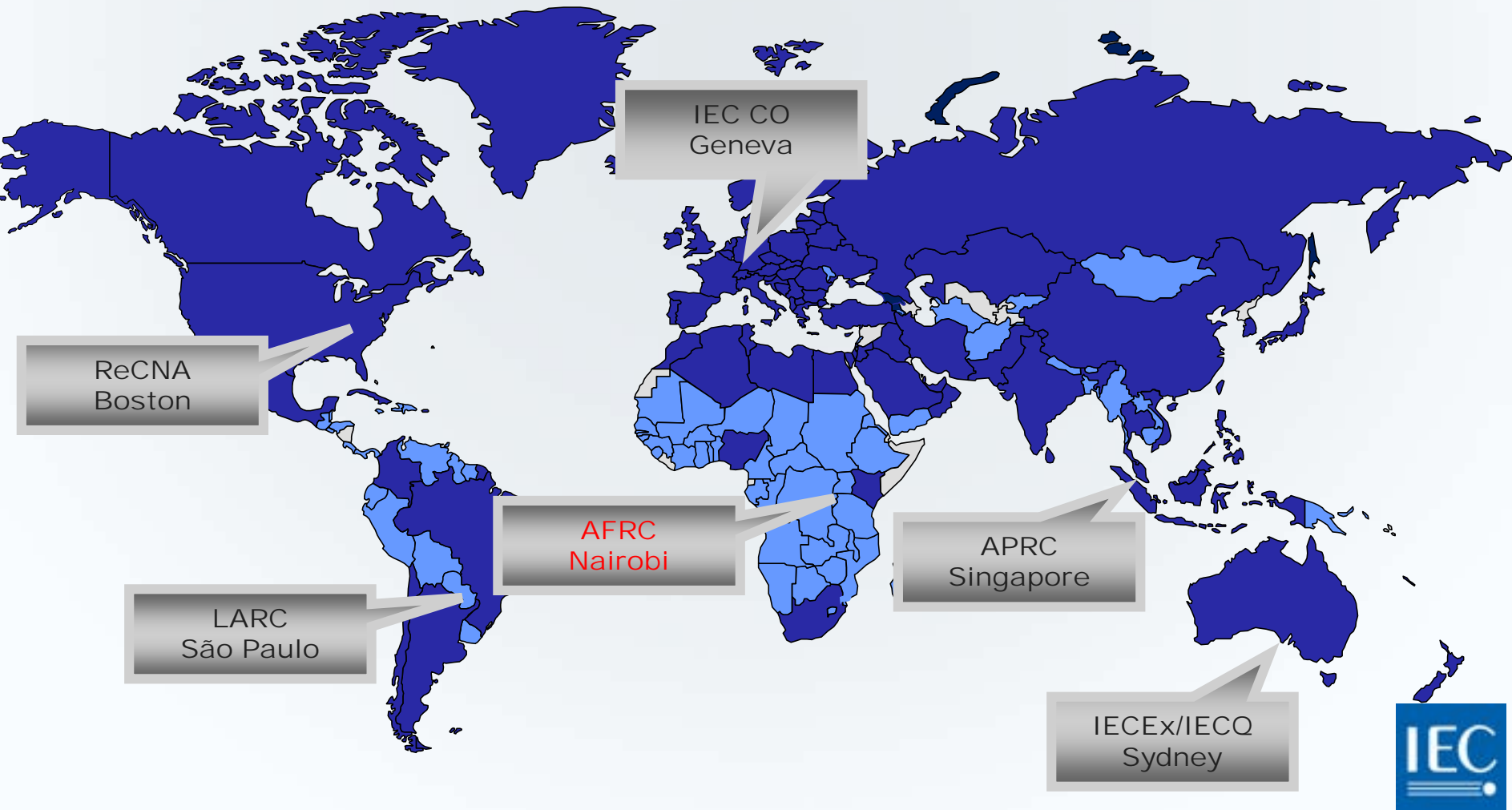
**Raw energy: 11.1% (USD 1,822 trillion)**

**Vehicles: 8.0% (USD 1,314 trillion)**

**\*not including lighting, photo devices, aircraft, etc.**



# IEC – close to its family members





Global knowledge platform

20 000 experts

213 Technical Fields (SC/TC)

1 450 working groups

9 000 standards



=



# The world of standards



International:  
IEC, ISO, ITU

Regional:  
Europe (ex. CENELEC, ETSI,) Eurasia: EASC  
Africa (ex. AFSEC) Americas (ex. FINCA, COPANT,  
CANENA, MERCOSUR) Asia-Pacific (ex. ASEAN,  
PASC) Gulf region: GSO

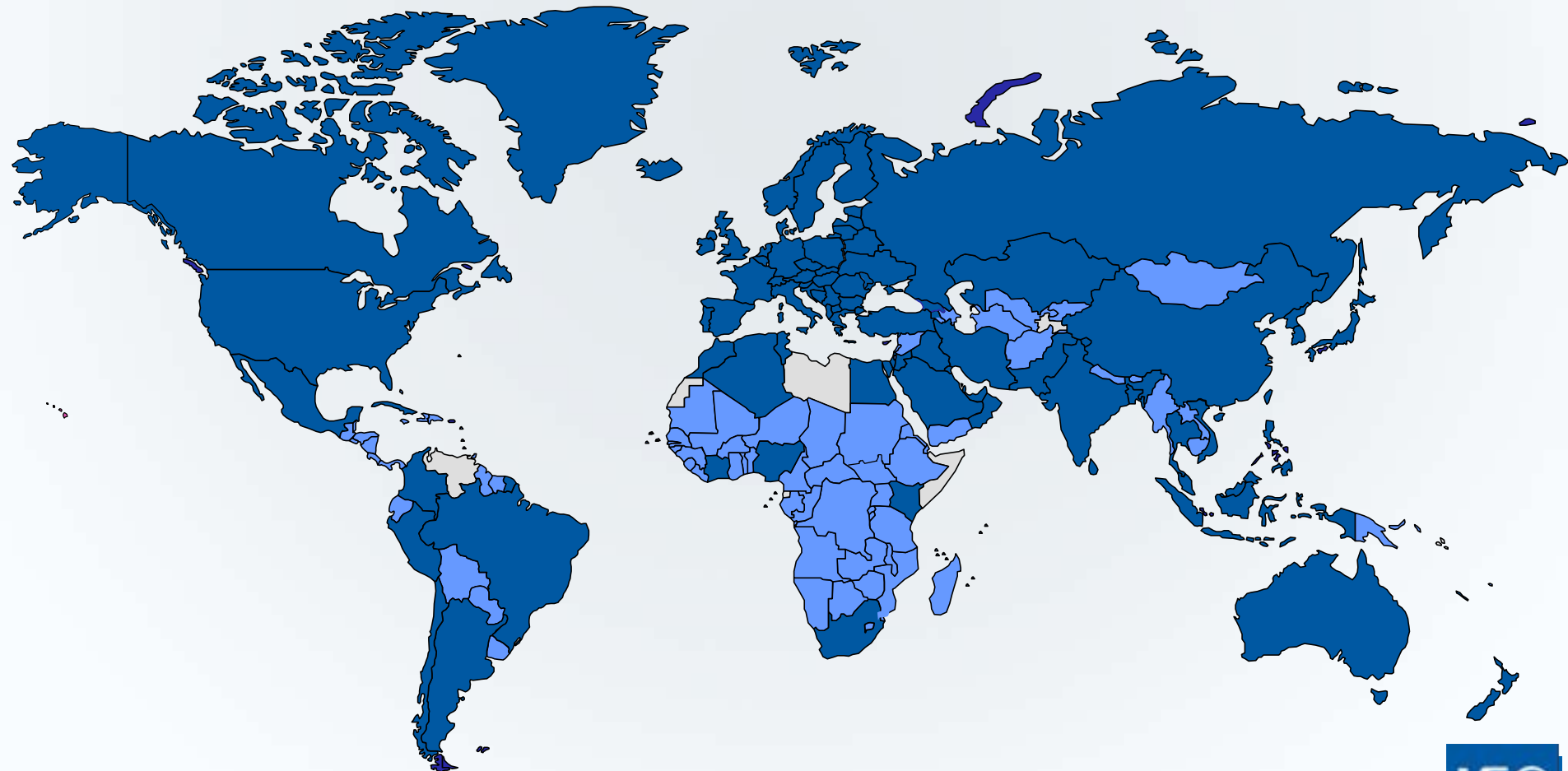
National Committees  
(ex. Australia, Denmark, Switzerland, Algeria, Egypt, Iran,  
Kuwait, Turkey, Russia, USA, ... )



# IEC family: 173 countries

86 Members

87 Affiliates



# 86 national committees

Albania (AM)	DPR of Korea (AM)	Kuwait	Qatar
Algeria	Egypt	Latvia (AM)	Romania
Argentina	Estonia (AM)	Lithuania (AM)	Russian Federation
Australia	Finland	Luxembourg	Saudi Arabia
Austria	France	Malaysia	Serbia
Bahrain (AM)	Georgia (AM)	Malta (AM)	Singapore
Bangladesh (AM)	Germany	Mexico	Slovakia
Belarus	Greece	Moldova (AM)	Slovenia
Belgium	Hungary	Montenegro (AM)	South Africa
Bosnia-Herzegovina (AM)	Iceland (AM)	Morocco (AM)	Spain
Brazil	India	Netherlands	Sri Lanka (AM)
Bulgaria	Indonesia	New Zealand	Sweden
Canada	Iran	Nigeria	Switzerland
Chile	Iraq	North Macedonia (AM)	Thailand
China	Ireland	Norway	Tunisia (AM)
Colombia	Israel	Oman	Turkey
Côte D'Ivoire (AM)	Italy	Pakistan	Ukraine
Croatia	Japan	Peru	UAE
Cuba (AM)	Jordan (AM)	Philippines	UK
Cyprus (AM)	Kazakhstan (AM)	Poland	USA
Czech Rep.	Kenya (AM)	Portugal	Vietnam (AM)
Denmark	Korea, Rep. of		

# 87 affiliates

A light blue world map is centered in the background, with white lines connecting various points across the continents, suggesting a global network or connectivity. The text is arranged in four columns, listing 87 countries and territories.

Afghanistan  
Angola  
Antigua & Barbuda  
Armenia  
Azerbaijan  
Bahamas  
Barbados  
Belize  
Benin  
Bhutan  
Bolivia  
Botswana  
Brunei Darussalam  
Burkina Faso  
Burundi  
Cabo Verde  
Cambodia  
Cameroon  
Central African Rep.  
Chad  
Comoros  
Congo  
Costa Rica  
DRC Congo  
Djibouti  
Dominica  
Dominican Rep.  
Ecuador  
El Salvador  
Eritrea  
Eswatini  
Ethiopia  
Fiji  
Gabon  
Gambia  
Ghana  
Grenada  
Guatemala  
Guinea  
Guinea Bissau  
Guyana  
Haiti  
Honduras  
Jamaica  
Kyrgyzstan  
Lao PDR  
Lebanon  
Lesotho  
Liberia  
Madagascar  
Malawi  
Mali  
Mauritania  
Mauritius  
Mongolia  
Mozambique  
Myanmar  
Namibia  
Nepal  
Nicaragua  
Niger  
Palestine  
Panama  
Papua New Guinea  
Paraguay  
Rwanda  
St Kitts & Nevis  
St Lucia  
St Vincent & the Grenadines  
São Tomé & Príncipe  
Senegal  
Seychelles  
Sierra Leone  
South Sudan  
Sudan  
Suriname  
Syrian Arab Rep.  
Tanzania  
Togo  
Trinidad & Tobago  
Turkmenistan  
Uganda  
Uruguay  
Uzbekistan  
Yemen  
Zambia  
Zimbabwe

# 87 affiliates and 7 potentials

Afghanistan

Angola

Antigua & Barbuda

Armenia

Azerbaijan

Bahamas

Barbados

Belize

Benin

Bhutan

Bolivia

Botswana

Brunei Darussalam

Burkina Faso

Burundi

Cabo Verde

Cambodia

Cameroon

Central African Rep.

Chad

Comoros

Congo

Costa Rica

DRC Congo

Djibouti

Dominica

Dominican Rep.

Ecuador

El Salvador

Equatorial Guinea

Eritrea

Eswatini

Ethiopia

Fiji

Gabon

Gambia

Ghana

Grenada

Guatemala

Guinea

Guinea Bissau

Guyana

Haiti

Honduras

Jamaica

Kyrgyzstan

Lao PDR

Lebanon

Lesotho

Liberia

Madagascar

Malawi

Maldives

Mali

Mauritania

Mauritius

Mongolia

Mozambique

Myanmar

Namibia

Nepal

Nicaragua

Niger

Palestine

Panama

Papua New Guinea

Paraguay

Rwanda

St Kitts & Nevis

St Lucia

St Vincent & the Grenadines

Samoa

São Tomé & Príncipe

Senegal

Seychelles

Sierra Leone

Solomon Islands

Somalia

South Sudan

Sudan

Suriname

Syrian Arab Rep.

Tajikistan

Tanzania

Togo

Tonga

Trinidad & Tobago

Turkmenistan

Uganda

Uruguay

Uzbekistan

Yemen

Zambia

Zimbabwe

# Membership and Affiliation

<p><b>62</b> <b>Full Members</b></p>	<p><b>24</b> <b>Associate Members</b></p>	<p><b>87</b> <b>Affiliates</b></p>
<p>May submit votes on <u>all</u> TC/SC and Council documents via electronic voting system</p>	<p>May submit votes/ comments on documents of <u>4</u> selected TC/SCs via electronic voting system</p>	<p>May not vote No membership</p>
<p>May submit comments on all TC/SC and Council documents</p>	<p>May submit comments only on TC/SC documents but not on Council documents</p>	<p>May submit comments on the documents of <u>10</u> selected TC/SCs by e-mail</p>
<p>Fully participate in international standardization activities</p>	<p>Limited participation of countries with limited resources</p>	<p>A type of participation, but <u>not</u> membership</p>
<p>Full access to IS for adoption and for commercial exploitation</p>	<p>Full access to IS for adoption and for commercial exploitation</p>	<p>Selection of 200 IS to start basic electronic library. Facilitated adoption procedure</p>





partnering with others:  
34 Agreements and MoU

820 Liaisons with 207  
other partners

<http://www.iec.ch/dyn/www/w/f?p=103:218:0>

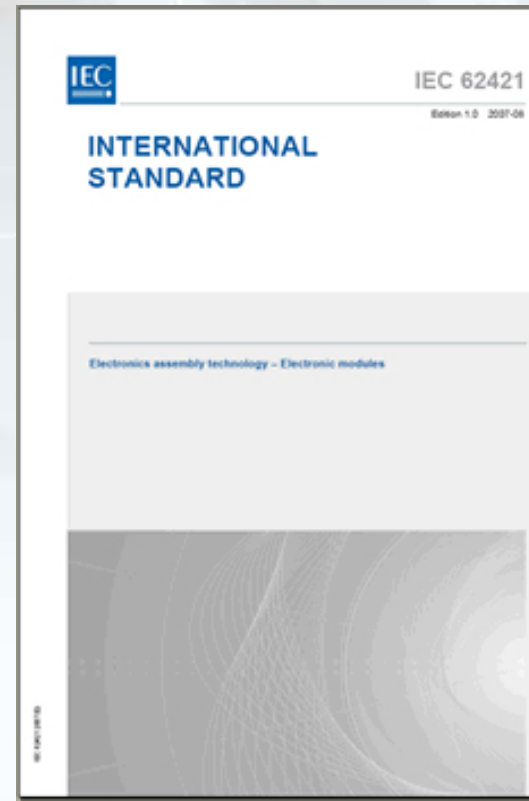


# IEC partners



# What is an IEC International Standard?

- **technical guidelines or characteristics developed by experts representing all stakeholders**
- **based on international consensus**
- **always voluntary**



# Adopting and referencing International Standards

- **IS can be adopted**
  - By companies, consortia ...
  - Nationally
  - Regionally
- **IS can be referred to**
  - In company procedures, marketing literature ...
  - In other standards (national, regional, international)
  - In technical regulations
- **In some countries IS can be used directly**
- **In others, they may not be used unless first adopted as national standards**

# How to adopt



## ISO/IEC Guide 21:2005

### *Regional or national adoption of International Standards*

- *Part 1: Adoption of International Standards*
- *Part 2: Adoption of International Deliverables other than International Standards*

# What is an adoption?

- The publication of a regional or national normative document
- Based on an **International Standard**
- Has the same status as a national standard or other normative document
- Can have deviations





A grid of approximately 15 small pots, mostly black with a few blue ones at the bottom, each containing a young green seedling with two leaves in dark soil. The text "Birth of the Programme" is overlaid in the center in a bold, yellow, sans-serif font with a black outline.

# Birth of the Programme



# How to become an Affiliate

- On invitation from the IEC General Secretary
- Pledge



# Unique approach

- **Free Programme** to help developing countries comply with the WTO TBT Agreement
  - Active participation, but not a form of membership
- Affiliates have access to **IEC International Standards** for adoption at a national level
- Assistance to establish **National Electrotechnical Committees**
- Selection of **technical fields** to access and comment on working documents (up to and including CDV)
- Guidance on **IEC Conformity Assessment: ACAS**
- Access to **IEC Mentoring Programme**
- Active participation in **IEC General Meetings**
- An Affiliate **Leader**: “voice” of the Affiliates

Learn more: <http://www.iec.ch/affiliates>

# Affiliate Team: [affiliates@iec.ch](mailto:affiliates@iec.ch)

- **Affiliate Leader**
  - **Rojas Manyame**  
Electricity Control Board  
Namibia
  - **Since 2018**



- **Affiliate Secretariat  
Geneva**

- **Antoinette Pitteloud**
- **Sei-Yun Park**
- **Corine Lebas**



# **Additional benefits**

- **Affiliate Plus in 2009**
- **Mentoring in 2013**
- **ACAS in 2013**
- **Participation to SyC LVDC for electricity access in 2017**

# Affiliate Plus

- **Criteria**
  - At least 50 adoptions of IEC IS
  - National Electrotechnical Committee
  - 33 countries have upgraded to Affiliate Plus
- **New benefits**
  - 400 free adoptions instead of 200
  - Priority for mentoring





# Affiliate Plus and potentials

<b>Afghanistan</b> 177 / NEC	<b>Bangladesh</b> 300 / NEC	<b>Benin</b> 169 / NEC	<b>Bhutan</b> 122/ NEC	<b>Botswana</b> 124/ NEC	<b>Brunei Darussalam</b> 74 / NEC	<b>Burkina Faso</b> 174/ NEC
<b>Cambodia</b> 145/ NEC	<b>Cameroun</b> 150/ NC	<b>Costa Rica</b> 96 / NEC	<b>DRC</b> 249 / NEC	<b>Ecuador</b> 309 / NEC	<b>Ethiopia</b> 251 / NEC	<b>Gabon</b> 156 / NEC
<b>Ghana</b> 419 / NEC	<b>Guinea</b> 56 / NEC	<b>Guyana</b> 173 / NEC	<b>Lao PDR</b> 104 / NEC	<b>Lebanon</b> 374 / NEC	<b>Malawi</b> 319 / NEC	<b>Mongolia</b> 103/ NEC
<b>Namibia</b> 57 / NEC	<b>Palestine</b> 233/ NEC	<b>Rwanda</b> 150/ NEC	<b>Senegal</b> 67 / NEC	<b>Sudan</b> 205 / NEC	<b>Suriname</b> 170 / NEC	<b>Tanzania</b> 53 / NEC
<b>Togo</b> 568/ NEC	<b>Uganda</b> 269/ NEC	<b>Uruguay</b> 117 / NEC	<b>Zambia</b> 312 / NEC	<b>Zimbabwe</b> 93 / NEC		

# Results

- 85 Affiliates:
  - **Sao Tome and Principe** (March 2018)
- 58 NEC (National Electrotechnical Committees):
  - **Liberia** (Dec 2017)
- 7859 national adoptions of IEC IS
  - **Kyrgyzstan** (January 2019)
  - Adoptions on line: <http://www.iec.ch/affiliates>
- Affiliate Plus: 33 countries
  - **Suriname** (October 2018)
- General Meeting 2018: 21 countries registered

# Affiliate technical assistance in quality infrastructure



# Mentoring Programme



# Affiliate Mentoring

- Partnerships between IEC NCs and Affiliate NECs
- Voluntary programme lasting two years
  - More if mentor deems necessary
- Two levels of mentoring: management and technical



# Management mentoring for Affiliates

- **Focus on reinforcing structure and functioning of the NEC**
- **Reaching out to stakeholders, including industry and SMEs**
- **Establishing mirror committees**
- **Adoption of IEC International Standards**



# Technical mentoring for Affiliates

- **Enhancing the participation of experts**
- **Focusing on working process for commenting on technical documents during their development**
- **Guidance for understanding the requirements in IEC International Standards**
- **Running of mirror committees**

# Mentoring partnerships

- Rwanda – Austria (2013)
- Afghanistan – Malaysia (2014)
- Côte d'Ivoire – France (2014)
- DRC – France (2014)
- Ethiopia – Germany (2014)
- Uruguay – Norway (2014)
- Zambia – Austria (2014)
- Mongolia – Germany (2015)
- Bhutan – Sweden (2015)
- Peru – Mexico (2015)
- Ecuador – Mexico (2016)
- Gambia – Netherlands (2016)
- Namibia – United Kingdom (2016)
- Senegal – France (2017)

# Affiliate Conformity Assessment Status (ACAS)



# How it started...

- **Survey sent in November 2012**
- **Identify needs to support and find adapted solutions in conformity assessment within IEC**
- **52 countries participated**
- **50% Africa, 29% Latin America, 21% Asia-Pacific**
- **New IEC ACAS (Affiliate CA Status) in June 2013**

# What is ACAS ?

## Affiliate Conformity Assessment Status

- **Objective**
  - Train to use IEC International Standards with IEC CA Systems
  - Allow Affiliates to benefit from IEC CA activities
- **Conditions**
  - Be an IEC Affiliate Country
  - Sign the ACAS Pledge
  - Pledge includes a commitment to sign the ACAS Declaration within 5 years

# Two steps

- **Status → Pledge**
  - National adoption of at least one IEC International Standard used within the scope of one or more of the IEC CA Systems
  - Nomination of at least one individual to use the Level 0 and Level 1 ACAS Learning Modules
  - Commitment to sign the ACAS Declaration within 5 years
- **Status → Declaration**
  - Willingness to accept IEC CA certificates related to national adoptions of IEC International Standard(s)
  - Allows access to Level 2 ACAS Learning Modules
  - Observer status in management meetings



# ACAS Pledge and Declaration



**IEC ACAS Pledge  
Learning Phase**


The Organization of the country, located in City/Country, wishes to be granted the IEC Affiliate Conformity Assessment Status and, in doing so, pledges:

- To be located in an IEC Affiliate Country Programme;
- That Country has declared the national adoption of at least one IEC International Standard used within the scope of one or more of the IEC Conformity Assessment Systems;
- To nominate at least one individual to use the Level 2 and Level 1 ACAS Learning Modules and
- To sign the ACAS Declaration with 5 years, failing which the Country ACAS becomes null and void.

\_\_\_\_\_  
**First\_name Last\_name**  
Director

\_\_\_\_\_  
**F.M.P. Veenwijk**  
General Secretary & CEO

Date .../.../..... Date .../.../.....



**IEC ACAS Declaration  
Implementation Phase**

- The Organization of the country, located in City/Country, wishes to be granted access to Level 2 ACAS Learning Modules and conditional observer status within one or more of the IEC Conformity Assessment Systems.
- The Organization of the country, declares that, as it relates to the IEC International Standard(s) adopted by Country, it accepts associated Certificates and Reports issued within one or more of the IEC Conformity Assessment Systems at national level and will promote their use.

\_\_\_\_\_  
**First\_name Last\_name**  
Director

\_\_\_\_\_  
**F.M.P. Veenwijk**  
General Secretary & CEO

Date .../.../..... Date .../.../.....

# ACAS package benefits

- Regional awareness events
- ACAS section on IEC Affiliate website
  - <http://www.iec.ch/affiliates/acas>
- Webinars (upon request)
- E-learning modules on IEC ACAS website
- Observer status at IEC CA System management meetings (based on prerequisite training conditions)

# ACAS Regional Events

- **IECEEx-AFSEC – Abidjan, Côte D'Ivoire, November 2013**
- **IECEE-AFSEC – Nairobi, Kenya, August 2013**
- **IECEEx-AFSEC – Lubumbashi, DRC, Sep 2014**
- **IECEE-COPANT – Asunción, Paraguay, Oct 2014**
- **IECEE- APRC – Singapore, June 2015**
- **IECEEx-AFSEC – Accra, Ghana, July 2015**
- **IECEE-EASC – Baku, Azerbaijan, April 2016**
- **IECEE-COPANT – San Jose, Costa Rica, November 2016**
- **E-learning-AFSEC – Nairobi, Kenya, January 2017**
- **ACAS-COPANT-PTB – Lima, Peru, 14-15 November 2017**
- **IECEE-AFSEC – Johannesburg, South Africa, 23-24 January 2018**

# ACAS on IEC website



## IEC Affiliates

IEC Programme for  
developing countries

Affiliate Country list

Affiliate Country  
Programme

Your participation

National adoptions

**ACAS**

General Meetings

Forum & Workshops

Facts & Figures

Contact

- **About ACAS**
  - What is ACAS
  - ACAS benefit package
  - Who is entitled to ACAS
- **ACAS events**
  - Downloadable documents of past ACAS events
- **Resources**
  - Brochures
  - Useful links
- **E-learning**
  - IECCE, IECEx, IECQ, IECRE

# e-Learning modules



## IEC Affiliates

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Contact

- **Level 0**
  - Introductory e-Learning modules
  - Available for all Affiliate participants with IEC login
- **Level 1**
  - Intermediate e-Learning modules
  - Available only for Affiliate participants nominated through the ACAS Pledge signed by their country
  - Short test at end of Level 1 for access to Level 2
- **Level 2**
  - Advanced e-Learning modules
  - Available for Affiliate participants who have passed the test for the previous levels, and whose country has signed the ACAS Declaration
  - At the end, participants will receive a "Recognition of Achievement" attesting that they have successfully completed an ACAS e-Learning course

# Recognition of achievement





# ACAS countries

**Afghanistan**  
Pledge



**Azerbaijan**  
Pledge + Declaration



**Barbados**  
Pledge + Declaration



**Bhutan**  
Pledge



**Bolivia**  
Pledge + Declaration



**Burkina Faso**  
Pledge



**Cambodia**  
Pledge + Declaration



**Cameroon**  
Pledge



**Costa Rica**  
Pledge + Declaration



**Côte d'Ivoire\***  
Pledge + Declaration



**Dominican Rep.**  
Pledge + Declaration



**DR Congo**  
Pledge + Declaration



**Ecuador**  
Pledge + Declaration



**Ethiopia**  
Pledge + Declaration



**Gambia**  
Pledge



**Ghana**  
Pledge + Declaration



**Guinea**  
Pledge + Declaration



**Malawi**  
Pledge



**Mauritius**  
Pledge + Declaration



**Mongolia**  
Pledge + Declaration



**Namibia**  
Pledge + Declaration



**Peru\***  
Pledge + Declaration



**Rwanda**  
Pledge + Declaration



**Saint Lucia**  
Pledge + Declaration



**Senegal**  
Pledge



**Sierra Leone**  
Pledge



**Sudan**  
Pledge + Declaration



**Suriname**  
Pledge + Declaration



**Togo**  
Pledge + Declaration



**Uganda**  
Pledge + Declaration



**Uruguay**  
Pledge + Declaration



**Zambia**  
Pledge



# IEC 83rd General Meeting

Shanghai, China, 21-25 Oct 2019

## *Programme tailored for Affiliates:*

- **Affiliate Forum**
- **NEC Secretaries and Chairs workshop**
- **Workshop for industrializing countries**
- **Council statutory session**
  - breakdown discussions
- **Council open session**
- **Affiliate cocktail**

# Workshop for Industrializing Countries (WIC) 2017 - IECQ

- Presentations from IECQ Secretary and Chair
- Focus on IECQ Supply Chain Management
  - *Tools for managing Hazardous substances*
  - *LED Lighting Systems program*
  - *Counterfeit Avoidance*
- Case studies on LEDs
  - *Integration of IEC Standardization and Conformity Assessment into LED Lighting Market in Korea*
  - *Transformation of the lighting market in Peru*
  - *Lighting in Russia: Energy efficiency and quality support*
- Over 120 participants

# Standardization for electricity access



**LVDC Conference  
Sustainable Electricity Access**

Hotel InterContinental Nairobi  
22 - 23 May 2017, Nairobi, Kenya



**WHO SHOULD ATTEND?**



**WHY YOU NEED TO ATTEND?**



**Guidelines for electricity through LVDC**

For all LVDC systems (10kV to 100kV) and for LVDC systems (10kV to 100kV)

Version 1.0 (October 2017)  
LVD/17/001  
Nairobi, Kenya  
Issue 001

**Staff update**

10/17-001 Standardization of LVDC systems (10kV to 100kV)  
10/17-002 Standardization of LVDC systems (10kV to 100kV) - a working paper for members  
10/17-003 LVDC systems (10kV to 100kV) - a working paper for members  
10/17-004 LVDC systems (10kV to 100kV) - a working paper for members

**Keywords:**  
LVDC  
Standardization  
Working paper

Electricity Access:

➔ Requires Systems Approach

- SEG 6, Microgrids
- TC 8, Systems aspects for electrical energy supply
- TC 64, Electrical installations and protection against electric shock
- TC 82, Solar photovoltaic energy systems
- SEG 4, LVDC and LVDC for Electricity Access



**Systems Committee**

## New Affiliate benefits

- SyC LVDC working documents available to ALL Affiliates
- Possibility to attend SyC LVDC meetings

# Technical participation

- **NEC: access to 10 TCs and/or SCs**
  - Selection according to national needs
  - 10 logins for experts (1 per TC)
  - 2 logins for NEC officers
  - Plus SyC LVDC
- **Without NEC: access to 5 TCs and/or SCs**
  - Selection according to national needs
  - 5 experts logins (1 per TC)
  - Plus SyC LVDC
- **Website:**  
[http://www.iec.ch/affiliates/facts/select\\_tcs.htm](http://www.iec.ch/affiliates/facts/select_tcs.htm)

## 10 most selected Technical Committees

(2017-06-30)

### Top 10 IEC Technical Committees (and their Subcommittees) selected by Affiliates

Rank	Committee	Title	Selecting countries
#1	TC 82	Solar photovoltaic energy systems	26
#2	TC 61	Safety of household and similar electrical appliances	22
#3	TC 64	Electrical installations and protection against electric shock	21
#4	TC 20	Electric cables	20
#5	TC 23	Performance of household electrical appliances	15
#6	TC 34	Lamps and related equipment	14
#7	TC 8	Systems aspects for electrical energy supply	13
#8	TC 13	Electrical energy measurement and control	12
	TC 59	Performance of household and similar electrical appliances	
#9	TC 57	Power systems management and associated information exchange	10
#10	TC 17	Switchgear and controlgear	9
	TC 77	Electromagnetic compatibility	
	TC 31	Equipment for explosive atmospheres	



# Collaboration for developing countries

- **INTERNATIONAL Partners**
  - CIGRE
  - UN Energy Access Practitioner Network
  - UNECE WP6
  - WTO TBT Committee
  - DCMAS Network : 10 organizations
  - Alliance for Rural Electrification (ARE)
  - PTB
  - IRENA
  - Association Réseau Normalisation et Francophonie (RNF)

# Collaboration for developing countries

- **REGIONAL Partners**
  - AFSEC
  - AIDMO
  - ASEAN
  - CANENA
  - COPANT
  - EASC - EEC
  - PASC
  - SARSO
  - Pacific Power Association .....

# IEC Regional Centres



**IEC Central Office & IECEE/IECRE Secretariat**



**IEC Central Office**  
3, rue de Varemè, P.O. Box 131  
1211 Geneva 20  
Switzerland  
Tel : ☎ + 41 22 919 02-11  
✉ IEC Central Office  
[More about the IEC Central Office](#)  
[Visit the IECEE & IECRE websites](#)

**IECEX/IECQ Secretariat**



**IECEX/IECQ Secretariat**  
The Executive Centre  
Australia Square, Level 33  
264 George Street  
Sydney NSW 2000  
Australia  
Tel : ☎ +61 246 28 4500  
Chris Agius ✉ IECEX ✉ IECQ  
[Visit the IECEX & IECQ websites](#)

**IEC Africa**



**IEC-AFRC**  
IEC Africa Regional Centre  
7th Floor, Block One, Eden Square  
Chiroko Road, Westlands  
P.O. Box 856  
00605 Nairobi, Kenya  
Tel : ☎ + 254 20 3673000  
✉ François Ahoti | ✉ Evah Odour  
[More about the IEC-AFRC Office](#)

**IEC Asia-Pacific**



**IEC-APRC**  
IEC Asia-Pacific Regional Centre  
2 Bukit Merah Central #15-04/05  
(former SPRING Singapore building)  
Singapore 159635  
Singapore  
Tel : ☎ + 65 6377 5173  
✉ Dennis Chew  
[More about the IEC-APRC Office](#)

**IEC Latin America**



**IEC-LARC**  
IEC Latin America Regional Centre  
Av. Paulista, 2300 – Pilotis Floor  
Cerqueira, César  
São Paulo - SP - CEP 01310-300  
Brazil  
Tel : ☎ + 55 11 2847 4672  
✉ Amaury Santos  
[More about the IEC-LARC Office](#)

**IEC North America**



**IEC-ReCNA**  
IEC Regional Centre for North America  
445 Main Street  
16th Floor  
Worcester, MA 01608  
U.S.A.  
Tel : ☎ + 1 508 755 5663  
✉ Tim Rotti  
[More about the IEC-ReCNA Office](#)

# NEC Guidelines

- **New NEC guidelines 2016**
- **Identification of challenges and success stories**
- **Good feedback from Affiliate Plus**
  - 11 from Africa
  - 3 from Asia
  - 6 from Latin America
- **Translation in French and Spanish**



# Documentation

- **Guide to the IEC Affiliate Country Programme**
  - English, French and Spanish
- **Affiliate Website guidelines**





# IEC Website (Affiliates section)

The image shows a screenshot of the International Electrotechnical Commission (IEC) website. The header includes the IEC logo and the text "International Electrotechnical Commission" and "International Standards and Conformity Assessment for all electrical, electronic and related technologies". The navigation menu contains links for "You & the IEC", "About the IEC", "News & views", "Standards development", "Conformity assessment", "Members & experts", "Developing countries" (circled in red), and "Webstore". A search bar is located to the right of the navigation menu. The main content area features a large image of a bridge at dusk with the text "Enabling global trade", "International Standards", "Conformity Assessment", and "Technology sectors". Below this, there is a section for the "IEC 78th General Meeting Japan / 10-14 Nov 2014" with links for "Website", "Registration", and "Programme". A secondary navigation bar includes "Home", "Work", "Learn", "News", and "Buy". The footer contains a section for "Affiliate newsletter: June edition - IEC Programme for developing countries" with social media icons. Below this, there are four columns of links: "Technology sectors", "White papers", "Terminology", and "IEC at a glance". The "IEC at a glance" column includes links for "Structure", "Members - National Committees", "Technical committees", "Affiliate Countries" (circled in red), "Publications", "Brochures", and "Shop". The footer also includes "Privacy | Contact | IEC offices", social media icons, and "Copyright © IEC 2014. All rights reserved."



# Affiliate Welcome page

**IEC** International Electrotechnical Commission  
International Standards and Conformity Assessment for all electrical, electronic and related technologies

myIEC | Subscribe | Sitemap | FAQs | Contact us

You & the IEC | About the IEC | News & views | Standards development | Conformity assessment | Members & experts | Developing countries | Webstore | Search | Advanced search

→ Affiliate Country Programme

## IEC Affiliates

IEC Programme for developing countries

- Affiliate Country list
- Affiliate Country Programme
- Your participation
- National adoptions
- ACAS
- General Meetings
- Forum & Workshops
- Facts & Figures
- Contact

### IEC Affiliate Country Programme

Launched in 2001, the IEC Affiliate Country Programme is aimed at developing countries around the world. The Programme offers such countries a form of participation in the IEC without the financial burden of actual membership, making full use of IEC 100% electronic environment. The WTO (World Trade Organization) has complemented the IEC on the creation of the programme which provides an appropriate tool to enhance the participation in International Standardization from WTO Members in developing countries.

#### Removing trade barriers

Through its global reach, the Affiliate Country Programme results in increased awareness, use and adoption of IEC International Standards in developing and newly industrialized countries. It also helps develop trade with these new markets, as participants adopt the IEC's International Standards and use its conformity assessment systems.

This is of particular interest to industry, which can export to and import from these areas with the assurance that their products and services will operate safely and efficiently.

Feedback

French language button

# See you at the next IEC General Meetings

- Shanghai, China, October 2019
- Stockholm, Sweden, October 2020
- UAE, October 2021
- USA, October 2022
- Egypt, October 2023



Thank you for your  
attention  
any question?

Antoinette PITTELOUD  
External Liaisons Officer  
[api@iec.ch](mailto:api@iec.ch) [www.iec.ch](http://www.iec.ch)  
Skype antoinette-iec



INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

# ISO/IEC JTC 1 — Information Technology (JTC 1)

- ISO/IEC JTC 1 is a joint technical committee of the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC).
- JTC 1 is where experts come together to develop worldwide Information and Communication Technology (ICT) standards (Including the ISO/IEC 27000 Series).
- There are **3172 standards** developed by JTC 1.
- JTC1 has **4500 registered technical experts** from around the world.

# JTC 1 working groups

Reference	Title	Type
ISO/IEC JTC 1/AG 1	Advisory Group on Communications	Working group
ISO/IEC JTC 1/AG 2	Advisory Group on JTC 1 Emerging Technology and Innovation (AG JETI)	Working group
ISO/IEC JTC 1/AG 3	Open Source Software	Working group
ISO/IEC JTC 1/AG 4	Quantum Computing	Working group
ISO/IEC JTC 1/AG 6	Autonomous and Data Rich Vehicles	Working group
ISO/IEC JTC 1/AG 7	Trustworthiness	Working group
ISO/IEC JTC 1/AG 8	Meta Reference Architecture and Reference Architecture for Systems Integration	Working group
ISO/IEC JTC 1/AG 9	Data Usage	Working group
ISO/IEC JTC 1/AG 10	Outreach	Working group
ISO/IEC JTC 1/AG 11	Digital Twin	Working group
ISO/IEC JTC 1/AG 12	Technical Corrigenda	Working group
ISO/IEC JTC 1/AG 13	Use Cases for VR and AR based ICT Integration Systems	Working group
ISO/IEC JTC 1/AG 14	Systems Integration Facilitation (SIF)	Working group
ISO/IEC JTC 1/AG 15	Standards and Regulations	Working group
ISO/IEC JTC 1/JAG	JTC 1 Advisory Group	Working group
ISO/IEC JTC 1/WG 11	Smart cities	Working group

# JTC 1 subcommittees

Reference	Title	Type
ISO/IEC JTC 1/SC 2	Coded character sets	Sub committee
ISO/IEC JTC 1/SC 6	Telecommunications and information exchange between systems	Sub committee
ISO/IEC JTC 1/SC 7	Software and systems engineering	Sub committee
ISO/IEC JTC 1/SC 17	Cards and security devices for personal identification	Sub committee
ISO/IEC JTC 1/SC 22	Programming languages, their environments and system software interfaces	Sub committee
ISO/IEC JTC 1/SC 23	Digitally Recorded Media for Information Interchange and Storage	Sub committee
ISO/IEC JTC 1/SC 24	Computer graphics, image processing and environmental data representation	Sub committee
ISO/IEC JTC 1/SC 25	Interconnection of information technology equipment	Sub committee
ISO/IEC JTC 1/SC 27	Information security, cybersecurity and privacy protection	Sub committee
ISO/IEC JTC 1/SC 28	Office equipment	Sub committee
ISO/IEC JTC 1/SC 29	Coding of audio, picture, multimedia and hypermedia information	Sub committee



# JTC1 subcommittees continued

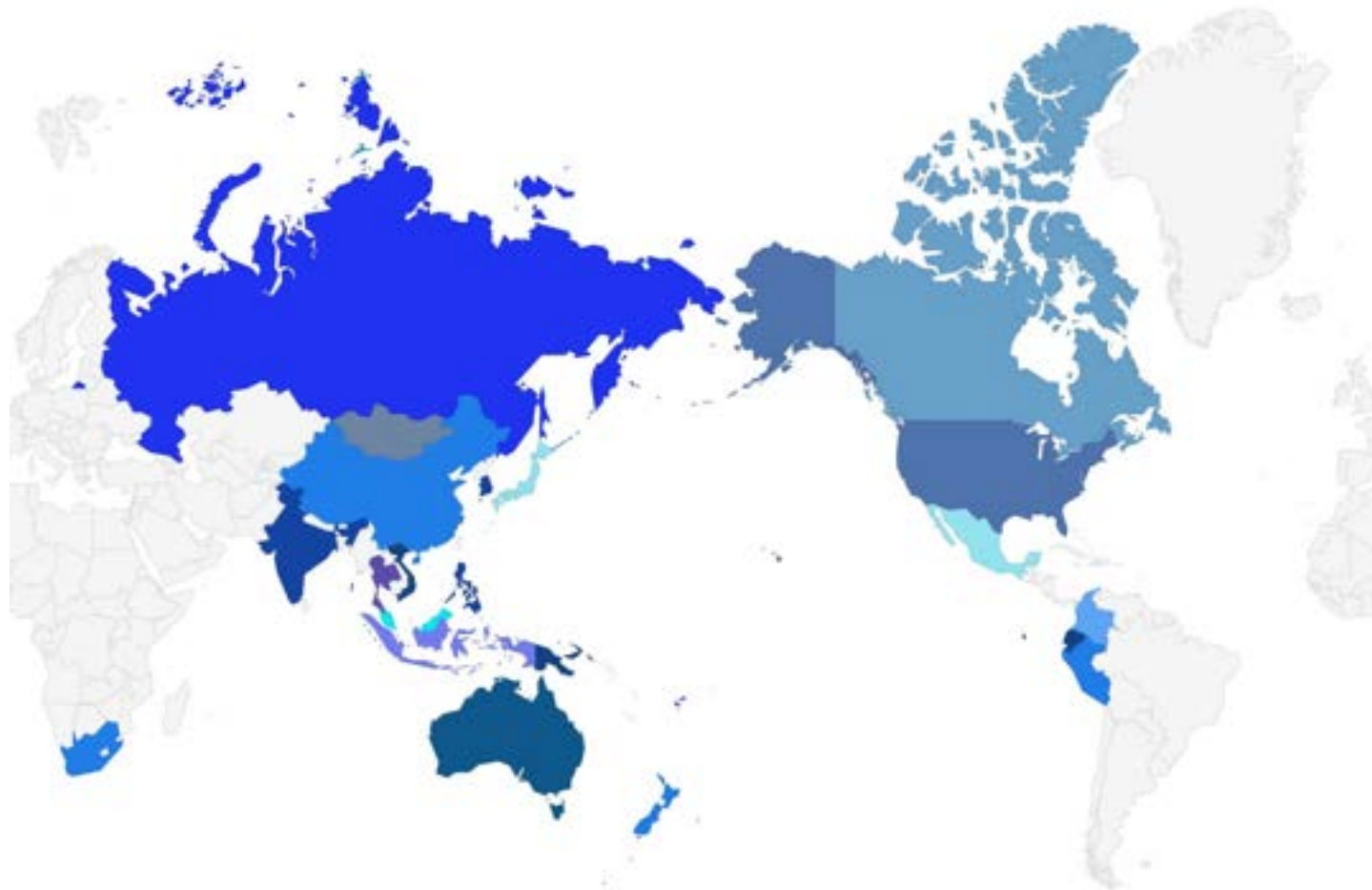
Reference	Title	Type
ISO/IEC JTC 1/SC 31	Automatic identification and data capture techniques	Sub committee
ISO/IEC JTC 1/SC 32	Data management and interchange	Sub committee
ISO/IEC JTC 1/SC 34	Document description and processing languages	Sub committee
ISO/IEC JTC 1/SC 35	User interfaces	Sub committee
ISO/IEC JTC 1/SC 36	Information technology for learning, education and training	Sub committee
ISO/IEC JTC 1/SC 37	Biometrics	Sub committee
ISO/IEC JTC 1/SC 38	Cloud Computing and Distributed Platforms	Sub committee
ISO/IEC JTC 1/SC 39	Sustainability, IT & Data Centres	Sub committee
ISO/IEC JTC 1/SC 40	IT Service Management and IT Governance	Sub committee
ISO/IEC JTC 1/SC 41	Internet of Things and related technologies	Sub committee
ISO/IEC JTC 1/SC 42	Artificial intelligence	Sub committee



Lucy Chalmers  
International Engagement Manager  
Standards Australia



# PASC – 24 Members



# Pacific Area Standards Congress

A forum of Pacific Rim countries to

- Strengthen international standardisation programs in the region
- Improve capacity of NSBs to participate in international standards programs
- Support free trade, economic efficiency and development in the region

# PASC – Strategic Plan

- 2016 – 2020 Strategic Plan
  1. Promote role of international standards in trade and commerce
  2. Foster improved coordination between ISO/IEC/ITU
  3. Leverage regional partners to build capacity of member countries
  4. Foster next generation of leaders
- New strategic plan under development now
  1. Communication and stakeholder engagement
  2. Capacity building
  3. Trade facilitation
  4. Policy and governance

## PASC 42 – Wellington 2019

- Sandra Fifita (Tonga) and Max Leelo (Samoa)
- Tell us about your experience at PASC 42
  - What did you learn?
  - Why were you and your organisation interested in participating?
  - What would the value be for your country in the long-term?



**Questions?**



Lunch

**STANDARDS**  
Australia



**POP QUIZ!**

**STANDARDS**  
Australia



**Q1: What are the three major international standards development organisations that make up the World Standards Cooperation?**



**Q2: What are the three membership levels available with ISO?**



**Q3: How many levels of membership are there to the IEC? What are they?**





**Q4: What does PASC stand for?**



**Q5: Does PASC develop standards?**



**Q6: What are the two levels of participation in an international standards development technical committee?**



**Q7: Name two requirements of a participating member of an international technical committee**



**Q8: Are standards mandatory documents?**

**STANDARDS**  
Australia



**Q9: What sector does ISO/IEC JTC 1 develop standards for?**





**Q10: How many technical committees can you participate in under the new member rights program at ISO?**



**Q11: Where is the ISO REI headquarters located?**



**Q12: How many technical committees can you participate on at IEC if you are a full member?**



**Q13: Is there an annual fee to be a member of PASC?**



**Q14: What responsibilities do you have to maintain PASC membership?**



**Q15: Are there any costs to adopting an international standard as a national standard?**





**Q1: What are the three major international standards development organisations that make up the World Standards Cooperation?**

**A: ISO, IEC and ITU**



**Q2: What are the three membership levels available to ISO?**

**A:** Subscriber member  
Correspondent member  
Member body



**Q3: How many levels of membership are there to the IEC? What are they?**

A: Full Member  
Associate Member  
(note affiliates are not technically members)



**Q4: What does PASC stand for?**

**A: Pacific Area Standards  
Congress**



**Q5: Does PASC develop standards?**

**A: No**



**Q6: What are the two levels of participation in an international standards development technical committee?**

**A:** Participating member  
Observer member





**Q7: Name two requirements of a participating member of an international technical committee**

A: Must vote in committee ballots  
Must attend international meetings  
Must actively contribute to standards development process



**Q8: Are standards mandatory documents?**

**A:** No, standards are voluntary documents



**Q9: What sector does ISO/IEC JTC 1 develop standards for?**

**A:** Information, communications and technology (ICT)



**Q10: How many technical committees can you participate in under the new member rights program at ISO?**

**A: Five**



**Q11: Where is the ISO REI headquarters located?**

**A: Singapore**



**Q12: How many technical committees can you participate on at IEC if you are a full member?**

**A: Unlimited participation**





**Q13: Is there an annual fee to be a member of PASC?**

**A:** No, there is no fee to be a member of PASC



## Q14: What responsibilities do you have to maintain PASC membership?

A: Members must attend a PASC Annual General Meeting at least once every three years



**Q15: Are there any costs to adopting an international standard as a national standard?**

**A:** No, there are no costs for adoption



# Breakout Session

## Country priorities for international standardisation



When this Initiative is completed in June 2021, what level of membership and engagement would your standards body like to achieve at

1. ISO?
2. IEC?
3. PASC?



What areas of international standardisation would your country like to target for

- adoption?
- participation?





Which digital trade related committee(s) best align with your country's priorities for digital trade?



What activities in Phase Two of this Initiative would help your country to achieve these goals?



# Session Three: Stakeholder Engagement and Awareness



# Stakeholder Engagement in Australia

Lucy Chalmers  
International Engagement  
Manager  
Standards Australia



# How Standards Australia engages stakeholders

---





# How Standards Australia engages stakeholders



**Daniel Chidgey**

Head of Stakeholder Engagement



**Alison Scotland**

Senior Stakeholder Engagement Manager

- Building and Construction



**Emilie Mortensen**

Stakeholder Engagement Manager

- Health and Community Services
- Agriculture, Forestry, Fishing and Food
- Mining



**Jed Horner**

Policy Manager



**Emilia Addo**

Stakeholder Engagement Manager

- Oil and Gas
- Water and Waste Services



**Kara Chan**

Stakeholder Engagement Manager

- Electrotechnology & Energy



**Michael Paparo**

Policy Manager



**Neidra Motha**

Stakeholder Engagement Manager

- Manufacturing and Processing
- Consumer Products, Services and Safety
- Education and Training Services



**Vi Le**

Stakeholder Engagement Manager

- Communications, Information Technology and e-Commerce Services (including JTC1)



# How Standards Australia engages stakeholders

---

Research and Academic Organisations	Consumer Interests	Government Organisations	Regulatory and Controlling Bodies	Technical Associations
Professional Associations	Manufacturers Associations	Suppliers Associations	User and Purchasing Bodies	Testing Bodies
Auditing Bodies	Certification Bodies	Employer Representative bodies	Unions and employee associations	Independent



## Project Proposals

Work closely with industry and government to identify where standards can support market and policy challenges

# Building & maintaining relationships





Understanding  
policy  
& sector issues



# Managing Relationships with our contributors



# Raising Awareness & Increasing Engagement





# Open Discussion

Pacific stakeholder  
engagement practices



## Current Practices:

1. How do you currently engage with your standardisation stakeholders?
2. What methods of stakeholder engagement have been successful?
3. How do you receive proposals for new standards – how do new standards arise in your country?

## Going Forward:

1. What were some of your key takeaways from the group discussion? What have been some of the successes of your Pacific neighbours?
2. What methods of stakeholder engagement are you going to trial moving forward?

## Engagement in the Pacific

1. Are there opportunities for enhanced standardisation collaboration in the Pacific?
2. What specific activities in the second phase of this Initiative could be implemented with a regional approach?

# Wrap-Up and Next Steps

Torrin Marquardt  
International Engagement Manager  
Standards Australia



# One-on-one Consultations

8:30 – 9:30am	10:00 – 11:00am	11:30 – 12:30pm	1:30 – 2:30pm	3:00 – 4:00pm	4:30 – 5:30pm
Fiji	Tonga	Solomon Islands	Samoa	Papua New Guinea	Vanuatu