

# World Standards Day

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# Overview of ISO



# 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.

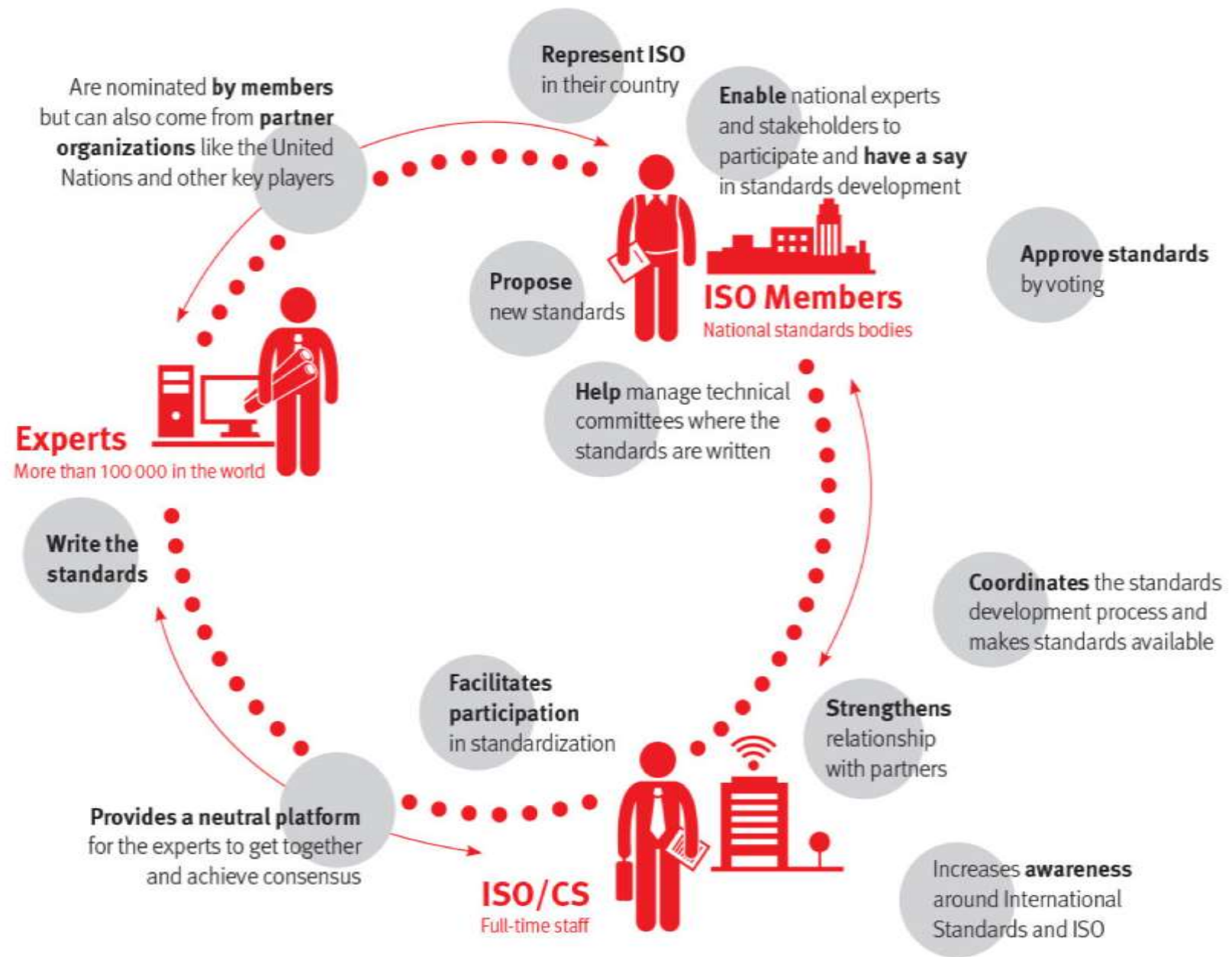
**162**  
members

**100**  
new standards each month

**> 22,000**  
International Standards

**243**  
technical committees







# 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
- Circular economy
- Consumer protection: privacy by design for consumer goods and services

## 2019

- Sharing Economy

*New ISO groups touching upon sustainability pillars:*

- Environment
- Economic
- Societal

# ISO Regional Engagement Initiative - Asia



# World Standards Day in 2019



# World Standards Day 2019

14 October 2019

*Video standards  
create a global stage*



# World Standards Day

- Each year on 14 October, the members of the IEC, ISO and ITU celebrate World Standards Day
- Paying tribute to the collaborative efforts of thousands of experts worldwide who develop the voluntary technical agreements that are published as International Standards.

# Primetime Emmy Awards

The video compression algorithms standardized in collaboration by IEC, ISO and ITU won the Primetime Emmy Awards.



# Video Standards



- Video encoded on one device can be decoded by another, regardless of the device being used.
- This introduces economies of scale that help to grow the market, giving innovators the confidence to invest in new video applications and services.

# Benefits of Standards





# Economic Benefits of Standards

- **Process innovation and scale extension**

- wider scope of delivery, larger sourcing networks, innovative solutions

- **Efficiency gains**

- streamlining processes, reducing non-conformity and transaction costs

- **Market access**

- by meeting standards and technical regulations, obtaining certifications required by the market



# Not just big business

## SMEs benefit too

- Improve quality of products and services
- Increase credibility, trust
- Benefit from global best practice and expertise
- Reduce costs, improve performance
- Access to new markets
- Comply with regulations





Ronald  
Ramjattan,  
Entrepreneur



# Baron Foods (market access)

- 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



# Water Senegal (efficiency gains)

- 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)





# Benefits for government

- Standards as the basis of regulation
- Cost-effective
- High degree of acceptance
- Help governments and city planners build safer, cleaner and healthier environments

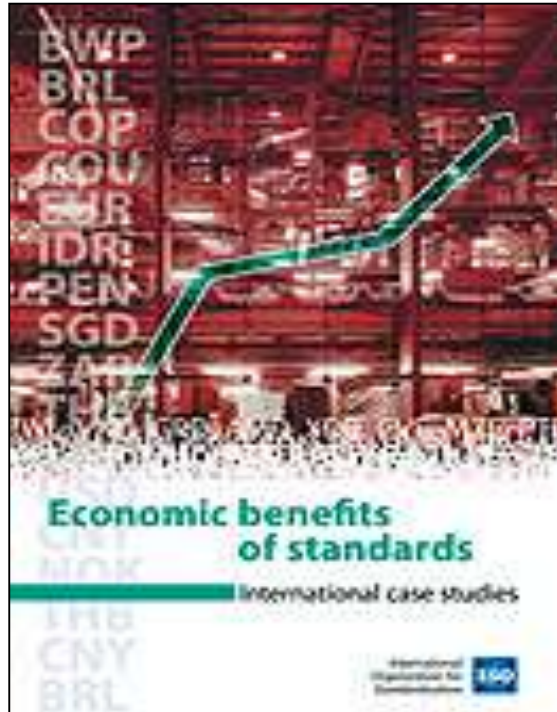


# Building & Construction Authority

- 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



# Publications: International case studies – Books



All materials, incl. case studies, are available at:

[www.iso.org/news/2014/08/Ref1884.html](http://www.iso.org/news/2014/08/Ref1884.html)

[www.iso.org/benefits\\_of\\_standards](http://www.iso.org/benefits_of_standards)

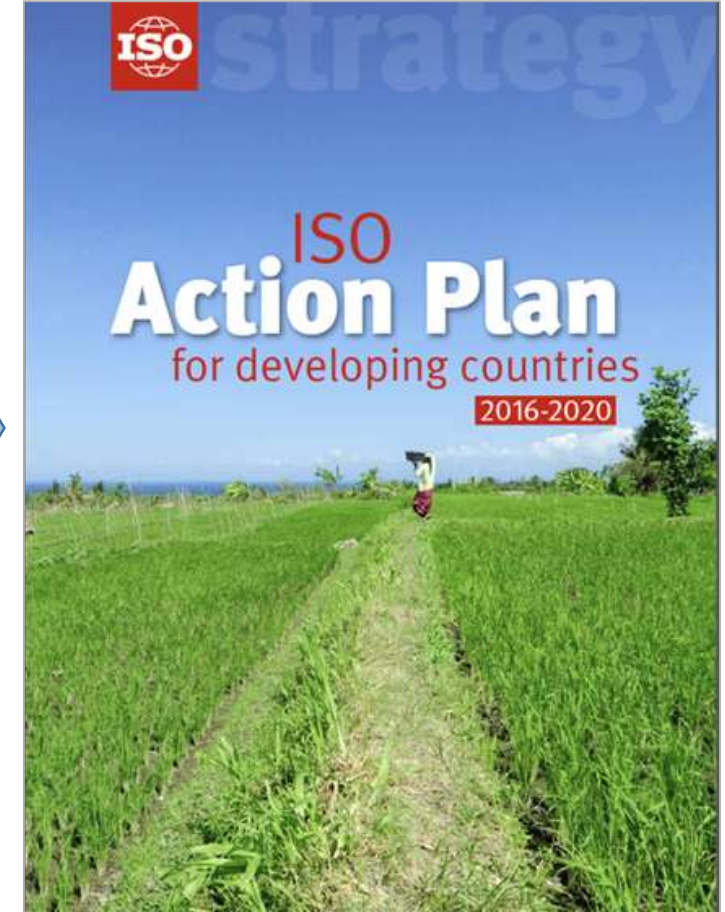
# ISO Action Plan for Developing Countries



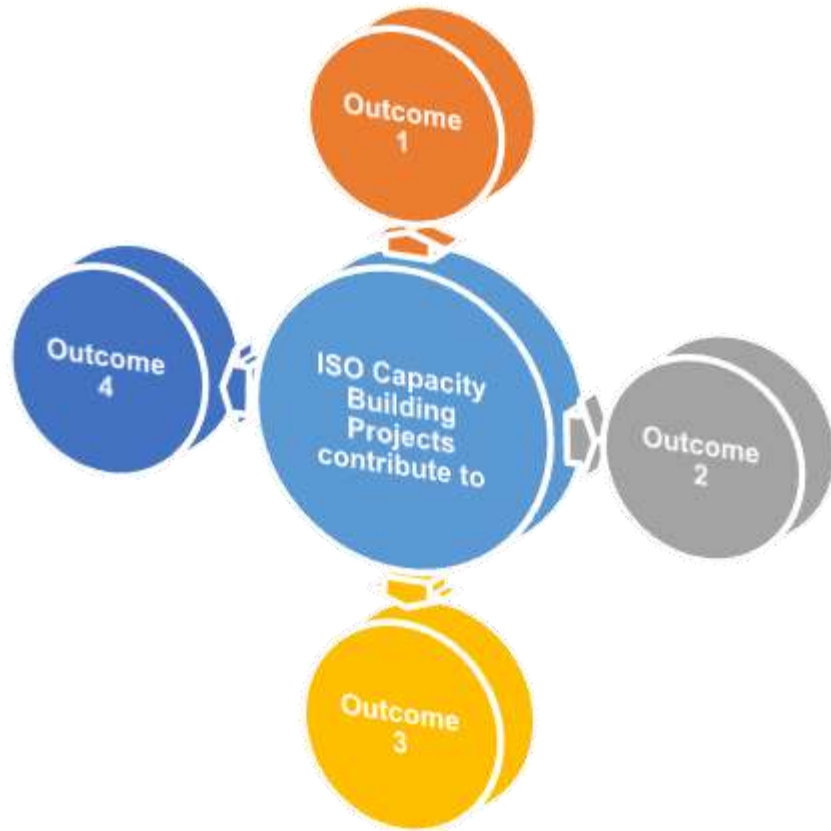
# Strategic Framework



ISO's most important resource is its member organizations and their networks of experts. ISO will therefore **invest in building the capacity of all its members, both at the human and the organizational level**, through learning, research and development solutions



# Delivery methods



- Awareness raising events
- Training courses, incl. ToTs
- Sponsorships
- Pre -TC workshops
- Distance mentoring
- Advisory services
- In-country support
- Publications and training materials

**OUTCOME 1** Good standardization practice

**OUTCOME 2** Development of a National Standardization Strategy

**OUTCOME 3** Promotion and use of standards to policymakers, business etc

**OUTCOME 4** Effective participation in development of ISO standards



# Support for correspondent and subscriber members

- New Rights Programme (for correspondent/subscriber members)
  - Participate to **5 TCs as P-members** for a max. of 5 years
  - Member-choice **sponsorship** programme - supporting developing countries to **attend up to 3 technical meetings** in a calendar year





# 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.

# How to participate in ISO activities & purchase of Standards



# Purchase of Standards

- ISO Member in Myanmar:
  - Department of Research and Innovation (DRI),  
Ministry of Education  
National Standards and Quality Department (NSQD)  
No.6. Kabaraye Pagoda Road, Yankin  
Township, Yangon, Myanmar.  
Email : [standards.mstrd@gmail.com](mailto:standards.mstrd@gmail.com)  
Phone : +95 1 664817 Fax : +95 1668033
- ISO webstore  
(<https://www.iso.org/store.html>)

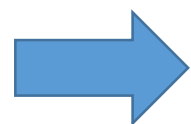


# Participation of Myanmar in ISO

Committee	Title	P and O Membership
ISO/TC 147	Water quality	P-member
ISO/TC 234	Fisheries and aquaculture	P-member
ISO/TC 301	Energy management and energy savings	P-member
ISO/TC 34	Food products	P-member
ISO/TC 67/SC2	Pipeline transportation systems	P-member
ISO/TC 285	Clean cookstoves and clean cooking solutions	O-member
ISO/TC 34/SC 3	Fruits and vegetables and their derived products	O-member
ISO/TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries	O-member

# Participation in ISO standards development

- Getting involved
  - ✓ Huge benefits
  - ✓ Shape industries
  - ✓ Give your company a voice
  - ✓ Market access...



**Approach DRI / NSQD to participate**



NATIONAL STANDARDS AND QUALITY DEPARTMENT

Myanmar



Thank you



# Benefits for business

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



# PT Wijaya Karya

- Indonesian construction company
- Main use of standards – **R&D**/engineering; **procurement** of raw materials; **testing** of final products; **sales** and **communication** with customer
- ISO 9001:2008, *Quality management systems*
- OHSAS 18001:2007, *Occupational health and safety management systems*
- Various standards related to concrete and cement as well as steel and steel wires
- Economic benefits generated by standards - **USD 115,000**





# NTUC Fairprice

- Supermarket chain in Singapore
- Main use of standards – pallet standards and cold chain standards
- **SGD 4.5m** per year in savings through optimizing the warehouse spaces and greater sales and reduced food wastage