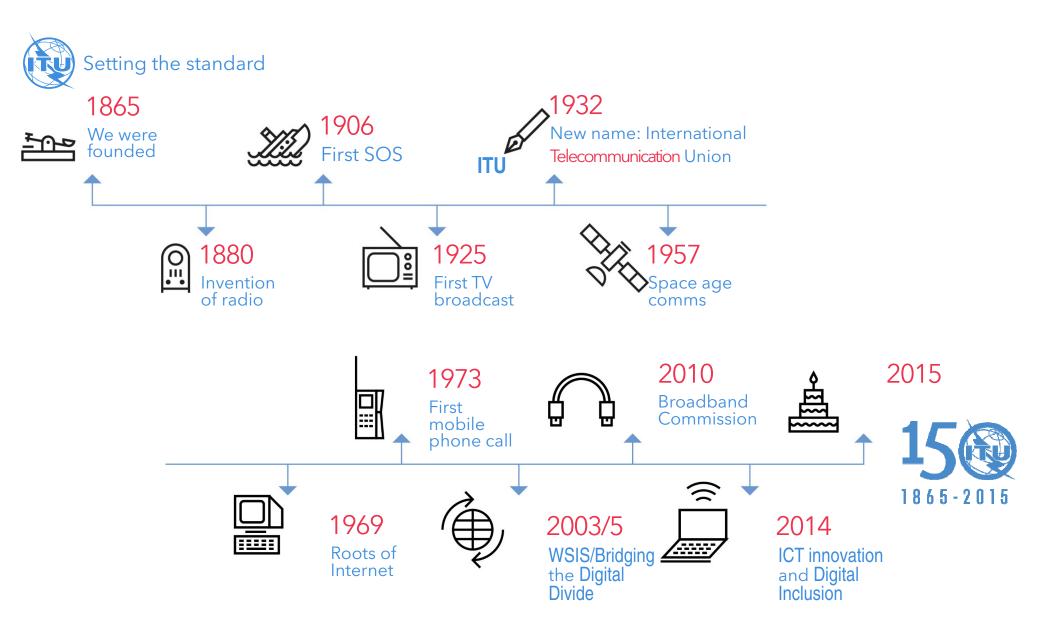




Setting the Standard

Chaesub Lee Director, Telecommunication Standardization Bureau, ITU









"In Asia, the 60-year milestone represents the accomplishment of a major cycle in one's life and the beginning of the next."





Why is ITU relevant in the digital era?



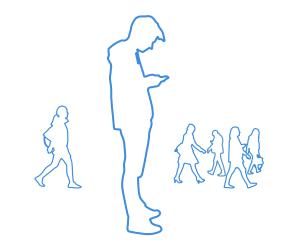


ITU's international standards are at play in virtually every facet of modern communications





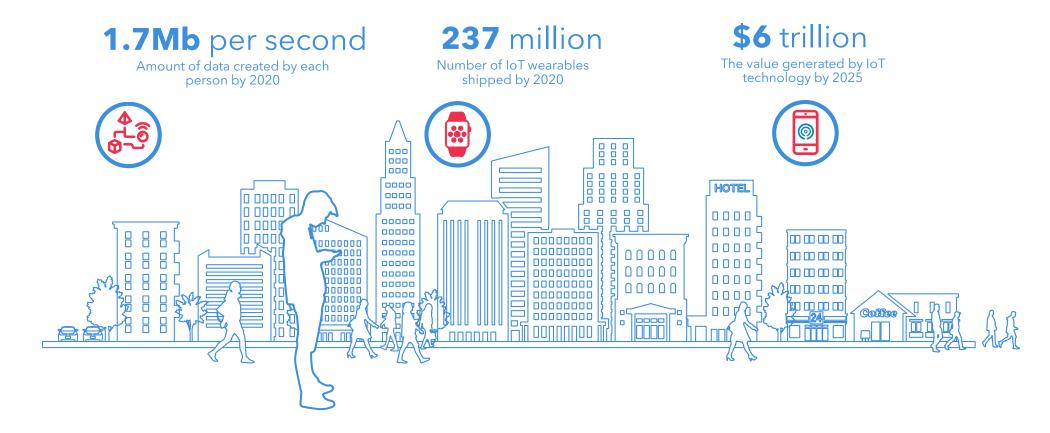
But what does the future hold?











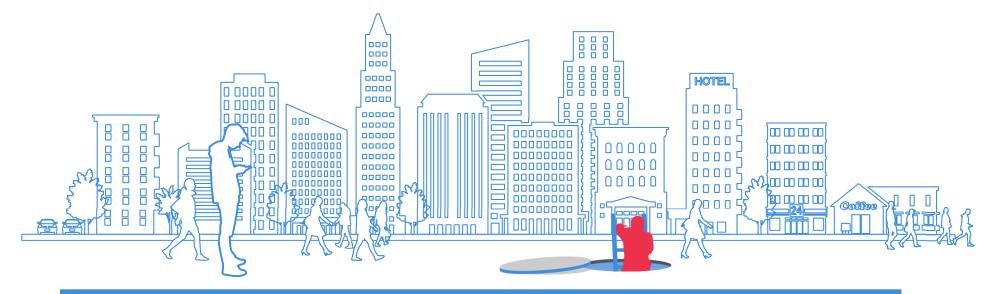


Without widely accepted standards we will end up with 'Silos of Things' instead of an 'Internet of Things'





How does ITU figure into all this?











International traffic carried over fibre networks built using ITU standards ITU-T continues to provide leadership in the standardization of networks, technologies and infrastructures for transport and access.



Copper X250

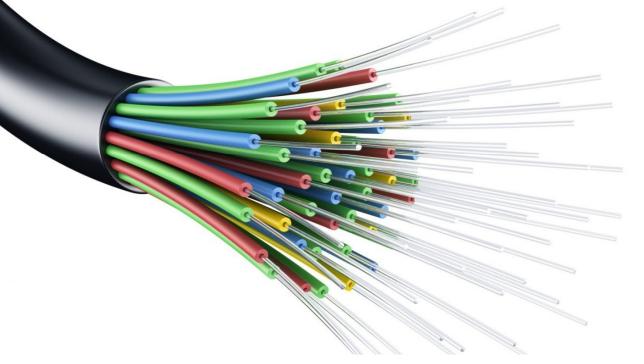
j Breathing new life into copper...



BREAKING NEWS: G.fast achieves 2 Gb/s over existing telephone lines



🕐 Ultra-high-speed broadband



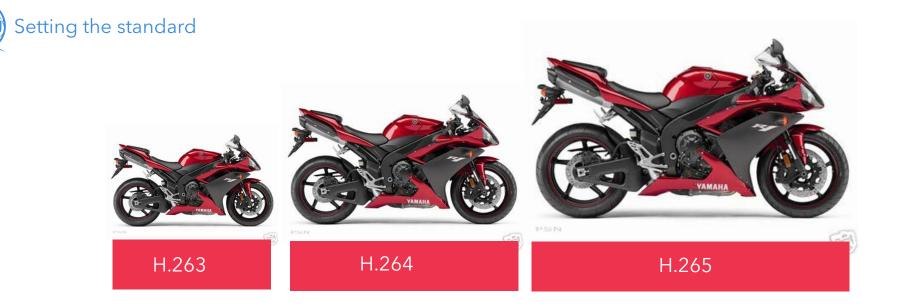
Fiber X64 (i) 40G FTTH NG-PON2 (i) OTN beyond 100G





Platform for the next decade of video innovation









Emmy winning H.264 is the most deployed video codec

Next-generation H.265 to enable 4K & 8K UHDTV





Smart Cities and Green ICTs







SUSTAINABLE GOALS

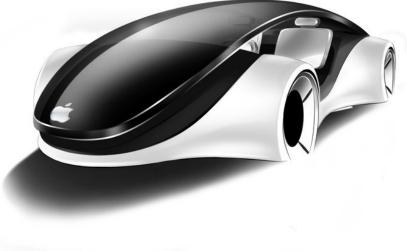
BREAKING NEWS: New universal charger for laptop standard approved





Connected, automated cars

More new cars are recalled than are sold each year. Over-the-air updates can save billions and save lives...





(i) ITS Communication Standards provides trusted guidance

(i) Trouble-free, hands-free communications in cars

(i) Global vehicle emergency call performance standard

i Secure remote software updates

i Future Networked Car Symposium



BREAKING NEWS: Hyundai Motors has joined as ITU's first auto manufacturer





a technology company...







Aviation flight data monitoring



"I believe that data from aircraft, including from the black box could be continuously transmitted and stored in data centres on the ground."

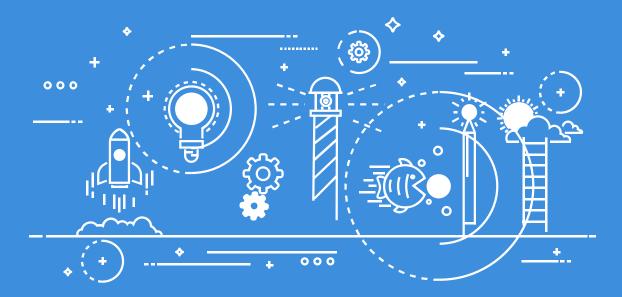
H.E. Ahmad Shabery Cheek

Minister for Communications & Multimedia Malaysia





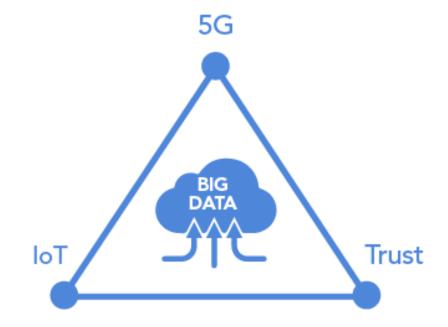
2020 vision and beyond







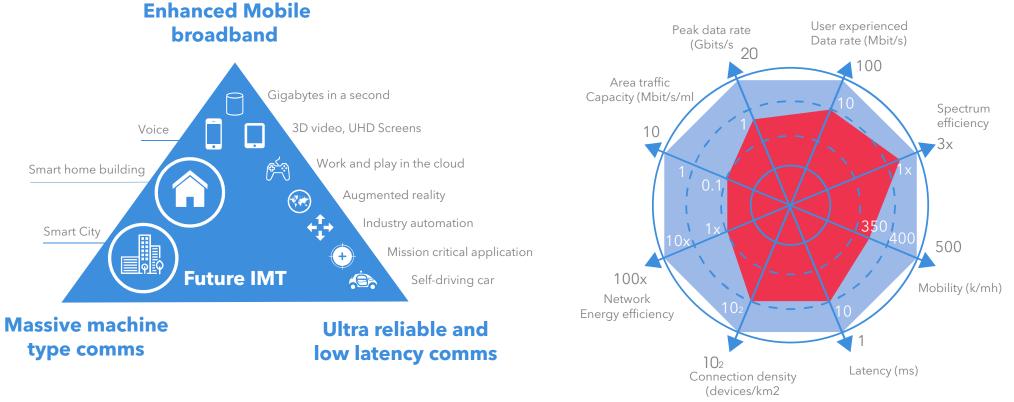
- (i) The future of standardization will be driven by 5G, IoT and Trust
- (i) WTSA-16 will provide members with a standardization toolkit optimized to assist government and industry in achieving their ambitions for the year 2020 and beyond.





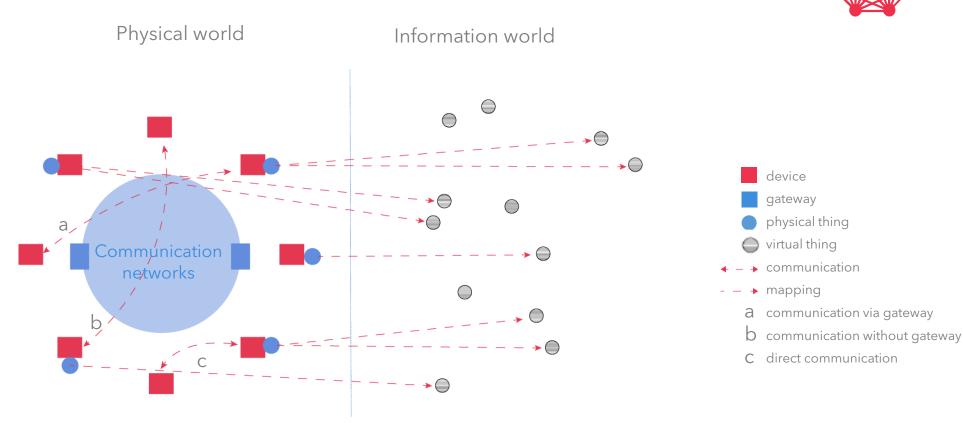
Smart 5G networks

IMT-2020 IMT-Advanced





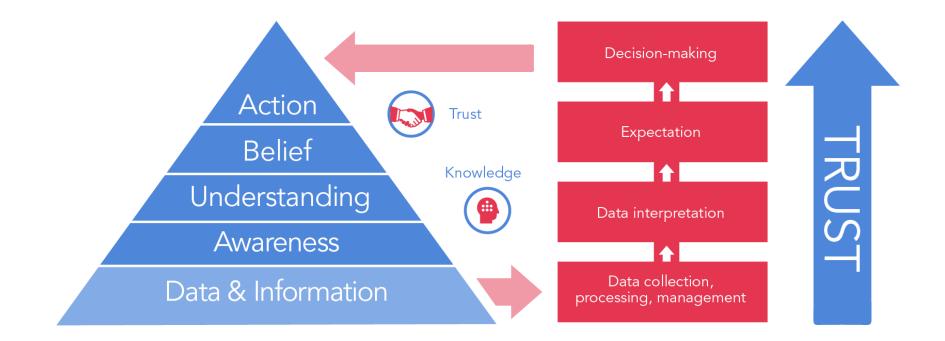
Hyperconnected smart world







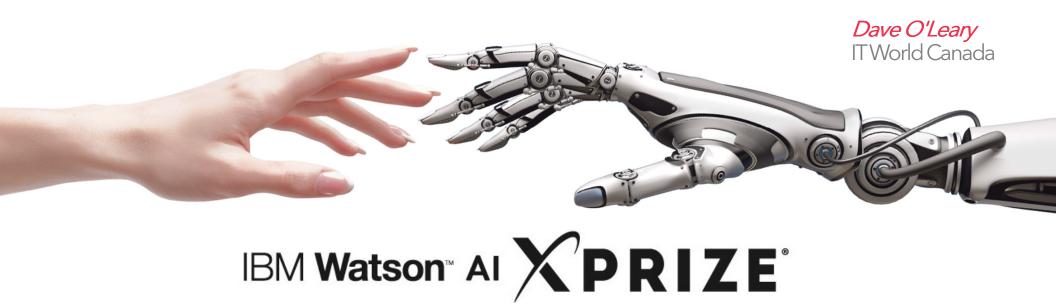
New standardization effort to describe the **fundamentals** of a **trusted ICT environment**.





Artificial Intelligence

If anyone can plot a positive and productive path for AI, the ITU can...









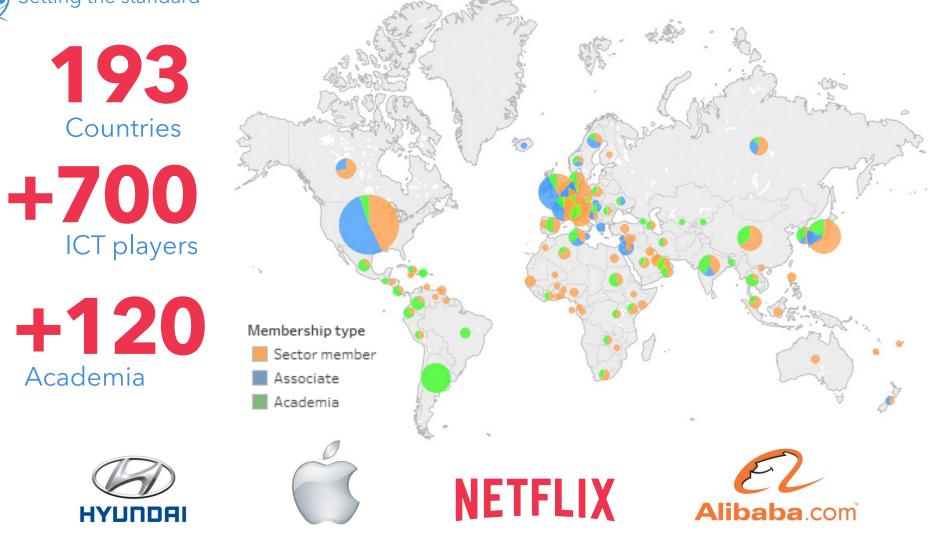






Membership & Appreciation







Thank you



SG2 Sherif Guinena NTRA Coordinator at International Telecommunications Organizations



SG3 Seiichi Tsugawa KDDI

Senior Manager, Standards Strategy Section, Industry Standards Department, R&D Strategy Division



SG5 Ahmed Zeddam Orange Head of Orange Expert Community on "Energy & Environment"



SG9 Arthur Webster NTIA Lead Electronics Engineer



Thank you



SG11 Wei Feng Huawei Consultant



SG12 Kwame Baah-Acheamfour Ghana National Communications Authority Deputy Director, Monitoring and Compliance at National Communications Authority



S13 Leo Lehmann Swiss Federal Office of Communication



SG15 Stephen Trowbridge Nokia Consulting Member of Technical Staff



Thank you



SG16 Yushi Naito Mitsubishi Electric Corporation Senior Technical Advisor at the Information Technology R & D Center



SG17 Arkadiy Kremer Russian Association for Networks and Services (RANS) Executive Committee Chairman



SG20 Nasser Al Marzouqi UAE representative to the ITU



TSAG Chairman Dr. Bruce Gracie Ericsson



Thank You!

