

Accessible for ALL

Hong Kong Symposium 2024

Equal Opportunities Commission

Enhancing the Accessibility of Hong Kong's Built Environment

15 July 2024

Ar. Dr Joseph Kwan *MH DU* *Univ*

Rehabilitation International, Vice-President, Asia Pacific Region

Architect, Accessibility Consultant

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Sustainable Development Goals (SDGs)

"World leaders have an unprecedented opportunity this year to shift the world onto a path of inclusive, sustainable and resilient development" - Helen Clark, UNDP Administrator.

At the United Nations Sustainable Development Summit on 25 September 2015, world leaders adopted the [2030 Agenda for Sustainable Development](#), which includes a set of 17 Sustainable Development Goals (SDGs) to end poverty, fight inequality and injustice, and tackle climate change by 2030.



What are the Sustainable Development Goals?

UN 2030 Agenda for Sustainable Development



SGD Goal 11: Sustainable Cities and Communities

Make cities and human settlements
inclusive
safe
resilient
sustainable

Goal 11. Make cities & human settlements **inclusive, safe**, resilient & sustainable

11.1: By 2030, ensure **access for all to** adequate, **safe and affordable housing** and basic services and upgrade slums

11.2: By 2030, provide **access to safe, affordable, accessible and sustainable transport systems** for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, **women, children, persons with disabilities and older persons**

11.7: By 2030, provide **universal access** to **safe, inclusive and accessible**, green and **public spaces**, in particular for **women and children, older persons and persons with disabilities**

Disability in the SGD's Indicators



United Nations Convention on Rights of Persons with Disabilities (UN-CRPD)

- The UN Convention is intended as a *human rights* instrument with an *explicit, social development dimension* (50 Articles)
- Adopted by General Assembly on *13 December 2006* at the UN Headquarters in New York, and entered into force in *3 May 2008*

International Convention UN-CRPD

- ❖ **191 Ratifications to the Convention**
(China - 30/3/2007) Hong Kong & Macau
- ❖ **164 Signatories of the Convention**
(China - 1/8/2008) Hong Kong & Macau
- ❖ **104 Ratifications to the Optional Protocol**
- ❖ **94 Signatories of the Optional Protocol**

UN Convention on Rights of Persons with Disabilities

Adopted by UN GA 2006, Entry into force 2008

*The Convention **prohibits discrimination** against persons with disabilities in all areas of life*

Article 2: **Definition - Universal Design (*Inclusive Design*)**

Article 9: **Accessibility**

International Convention UN-CRPD

Universal Design means the design of products, environments, programmes & services to be ***usable by all people***, to the greatest extent possible, without the need for adaptation or specialized design

(Ron Mace 1988)



7 PRINCIPLES OF UNIVERSAL DESIGN:



Equitable



Flexibility



Simple & intuitive



Perception information



Tolerance for error



Low physical effort

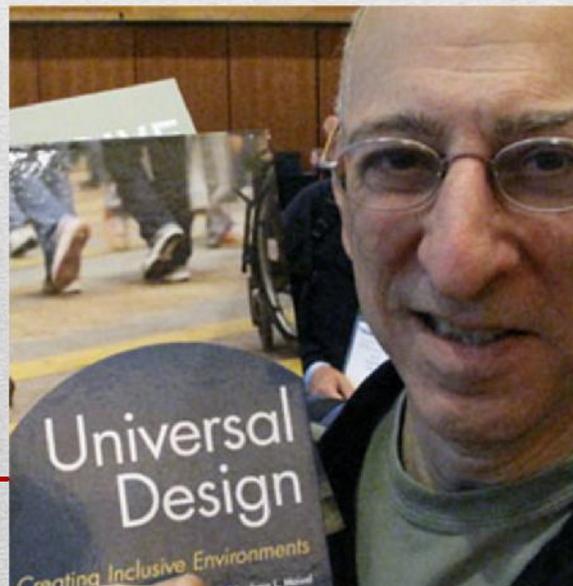


Size & space

Universal Design is a design process that enables and empowers a diverse population by improving human performance, health and wellness, and social participation

(Steinfeld & Maisel 2012)

8 Goals of Universal Design



Myths - Universal Design cost more in Buildings



- Supporters of universal design have long argued that **it costs little...to make buildings inclusive and accessible**
- A feasibility study by HCMA Architecture + Design for the Rick Hansen Foundation in Canada compare the Foundation's certification features with Canada's building code
- The key finding is similar to others....
- The average new construction cost increase is estimated to be an **additional 1%** of the construction in some cases. **In others, there is no additional cost through thoughtful planning and design.**

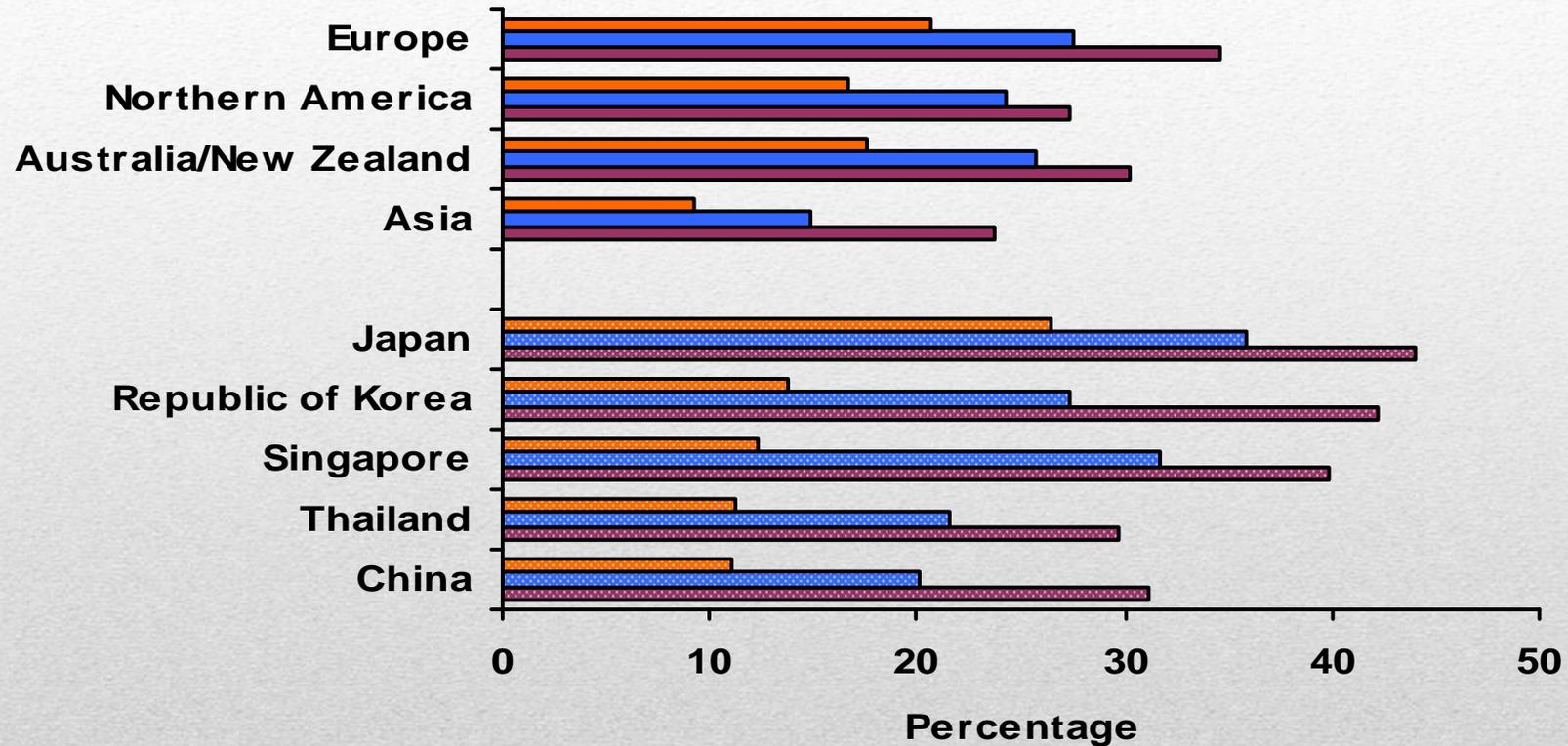
(Source: *Canadian Architect* 5 Feb 2020)

People with Disabilities - Global

- ❖ *estimated **15%** of the world's population has a disability*
- ❖ *more than **one billion** people with special needs worldwide*
- ❖ *an estimated **80%** live in developing countries*

(Source: WHO Report, 2011)

Aging Population - Global



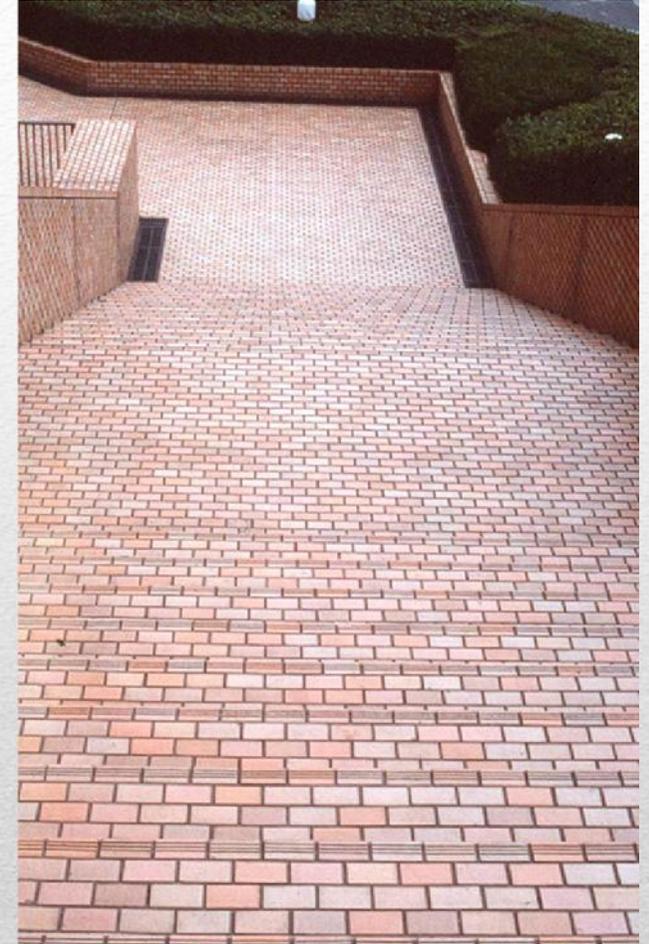
Percentage of population aged 60 years or over in 2005, 2025 and 2050

■ 2050 ■ 2025 ■ 2005

(Source: UN-ESCAP Statistical Book 2008)



Outdoor Barriers



Physical Barriers - Results of Poor Design

Building Providers need to be more **Socially Responsible** !





“DISABLED” Toilet is not Accessible

Universal Accessible
Inclusive & Safe
Community



Accessible Public Domain Australia



Well Defined & Marked Pedestrian Crossing & Speed Table



Speed Table provide level pedestrian crossing





Structure

Solar Panel

Makes it quick and easy to install the smart bus stop at any existing bus stops, no need for wiring. At night it switch to battery power, charged in the day.

RFID chip

Used to identify which bus is arriving and leaving.

LED display

It will show the bus number that has been requested by passengers at that stop. Bright Amber LED maximise visibility, particularly at night or in bad weather.

Speakers

Hidden in the display, it will announce which bus is arriving.



Route map

Uses braille and large fonts to help the visually impaired and seniors to identify the bus and route.

Flag button

The LED display will show the bus number when the button is pressed. The button is placed at a wheelchair accessible height.



Accessible Pedestrian Crossings



Inclusive Public Toilet

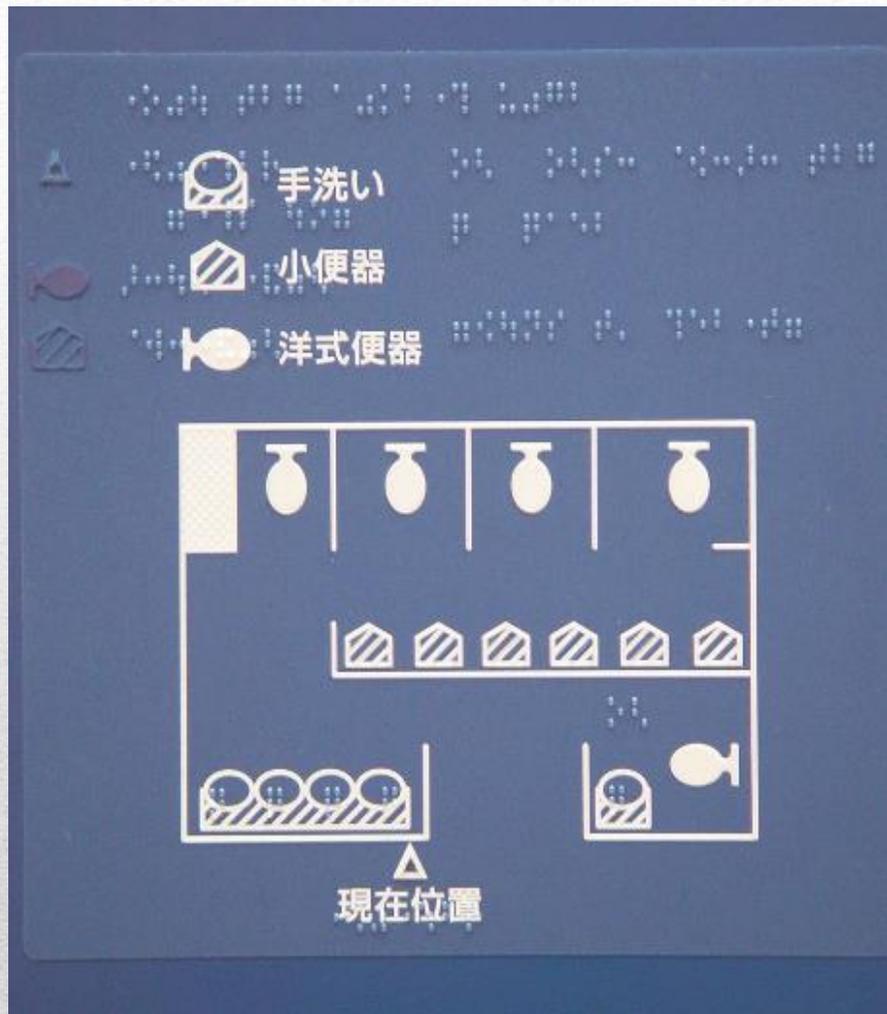




The Big i Center Japan









Accessible Taxi Stand



Accessible Taxis



Universal Accessible Train



**Universally Accessible
& Seamless Transition**





Universal Accessible Cable Car



Inclusive Marine Transportation



Inclusive Children's Playground – Tuen Mun Park Hong Kong

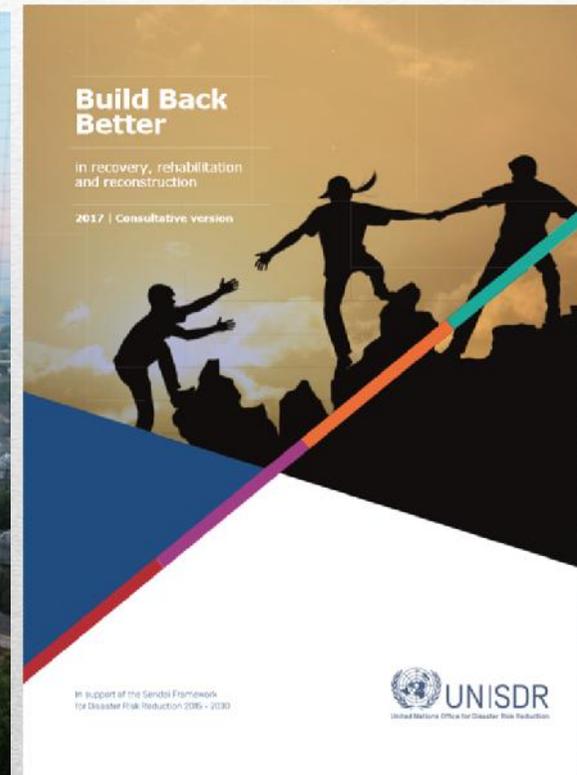
SAFETY

Access

Egress

Evacuate

- Emergency Evacuation
- Fire in Buildings
- Natural Disasters
- DiDRR
(Disability-inclusive Disaster Risk Reduction)





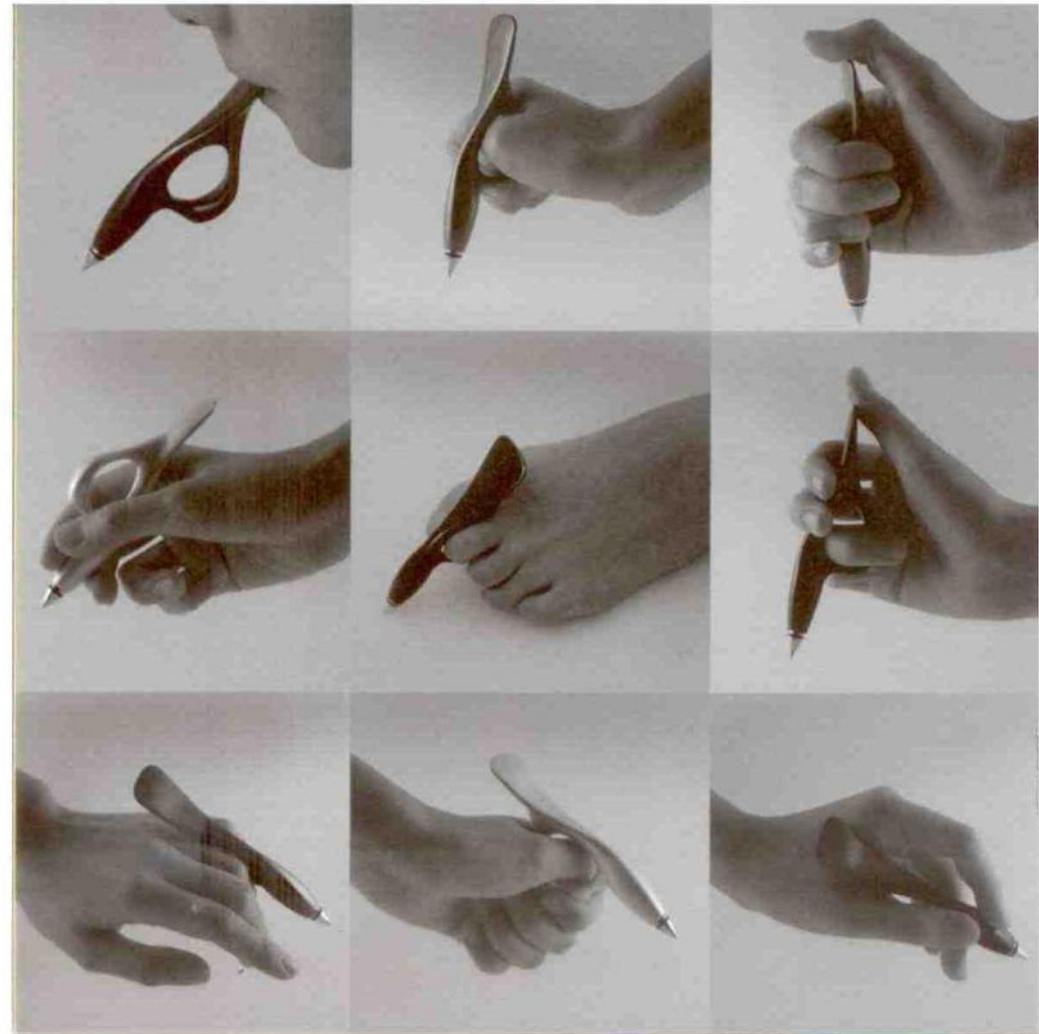
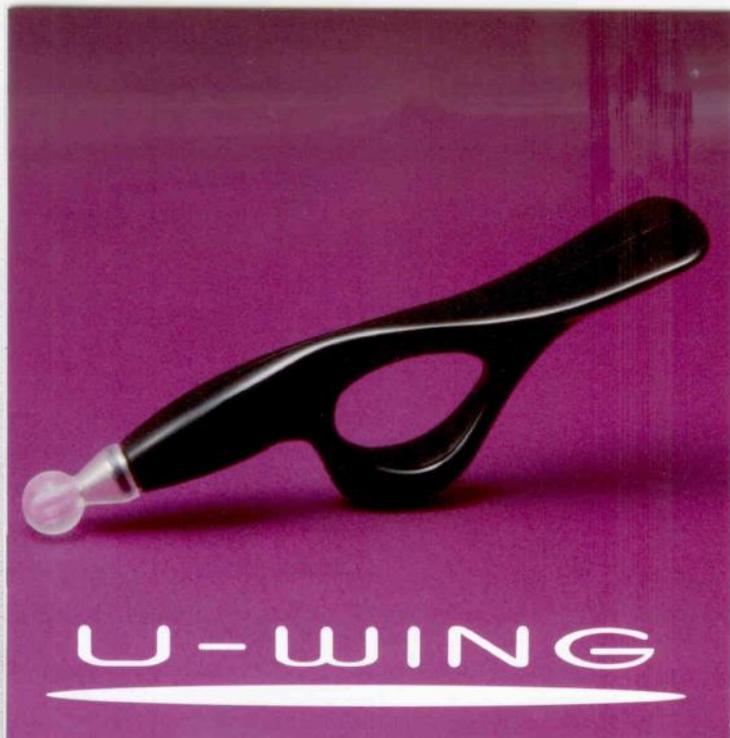
Fire Safety - Assembly Points for ALL



ICT & Assistive Technology



UD Products





進化していくかたち

初期のハンディ・パーディはできるだけ手の平に正確にフィットする形状を追求したデザインでした。

今回、あらためてデザインを見直したハンディ・パーディ（ミニィ）は利き手を選ばない左右両用のデザインを採用し、より自然な握り心地を実現すべく、自由でありつつも完成度の高いエルゴノミクスを追求しました。



Essential Principles



for Built Environment Professionals



Teaching and Learning Briefing Guide

Bringing inclusive design into built environment education

July 2017

inspired
by 2012





Teaching Universal Design

Global Examples of Projects and Models for Teaching in Universal Design at Schools of Design and Architecture.

By B. Kennig and C. Ryhl
For AAoutils project

European Commission

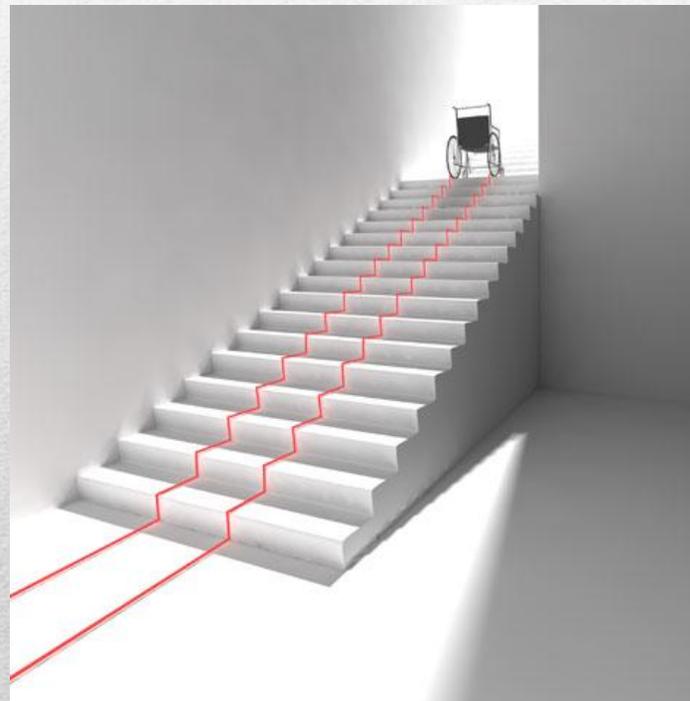


Directorate-General
Education and Culture
Leonardo da Vinci Programme

Design for All

from

School to Practice




नेपाल अग्र्य अक्षरता संघ
NFD-N


SONA

National Federation of the Disabled - Nepal (NFDN)
in association with
Society of Nepalese Architects (SONA)
presents

**Capacity Building Workshop
for
Architecture Students
on
UNIVERSAL DESIGN**

"A Comfortable Place for all"



ACME COLLEGE, 2:00 P.M.



Supported By:
SONA Committee on Social Responsibility (SCSR)
SONA Committee on Architecture Education (SCAE)



POLICY

STATEMENT OF POLICY
ON ACCESSIBILITY, INCLUSION
AND UNIVERSAL DESIGN

The Royal Institute of the Architects
of Ireland

**Policy Statement on
Accessibility
Inclusion
&
Universal Design**





**MALAYSIAN
STANDARD**

MS 1184:2014

Universal design and accessibility in the built
environment - Code of practice
(Second revision)

ICS: 25.060.10

Description: universal design, disabled person, ambulant disabled, access, landscape, sign and symbol,
facility, lift, requirement

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DEPARTMENT OF STANDARDS MALAYSIA

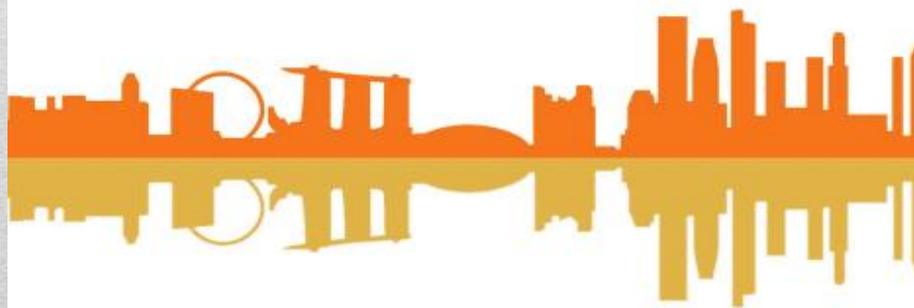
Malaysian Standards

MS 1184: 2014

***Universal Design and
Accessibility in Built
Environment
Code of Practice***

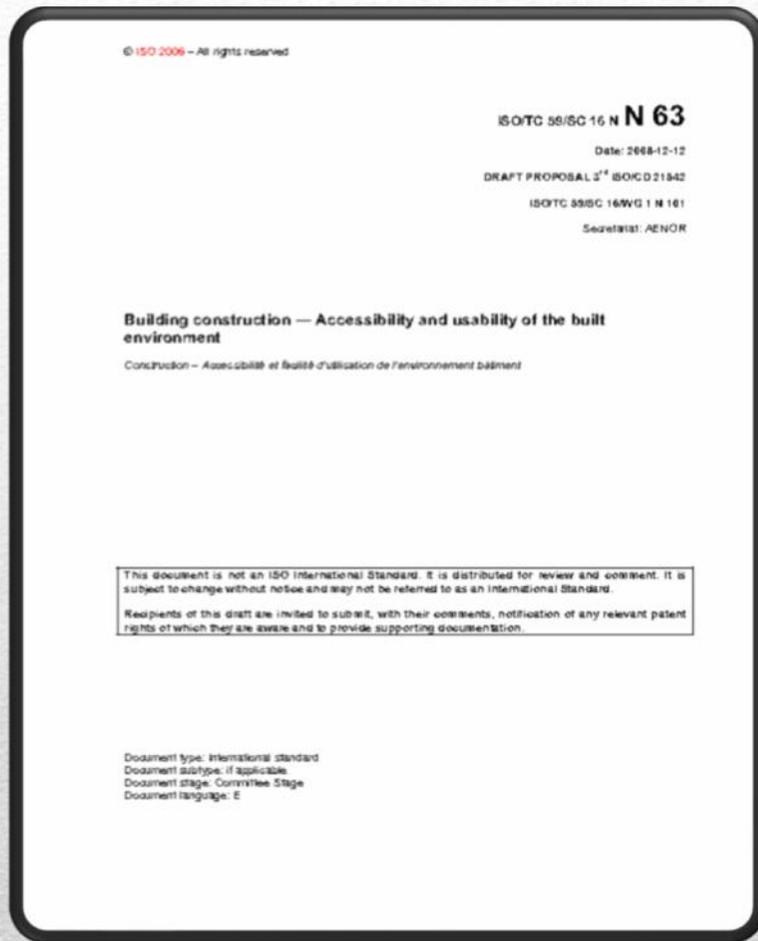
(Second Revision) 4 Nov 2014

CODE ON
ACCESSIBILITY
IN THE BUILT ENVIRONMENT 2019



Singapore Code
Building and Construction
Authority

Code on
*Accessibility in the Built
Environment 2019*



ISO Standard: 21542

***Building Construction -
Accessibility and
Usability of the Built
Environment
2011/2021***

New Section:

- ***Fire Safety for All
to High Rise Buildings***

International Standards - Five Year Review



UNIVERSAL DESIGN MARK AWARD

UD Awards & Recognitions

This graphic promotes the 2024/25 Universal Design Award Scheme. It features an isometric illustration of a community with various buildings and people. The buildings are labeled 'SHOPPING MALL', 'RESTAURANT', 'OFFICE', and 'CINEMA'. People are shown using different types of mobility aids: a person in a wheelchair, a person with a cane, a person with a dog, and a person with a stroller. A large text overlay reads '2024/25 Universal Design Award Scheme'. In the top left corner is the logo of the Equal Opportunities Commission (平等機會委員會). In the top right corner is the logo for the Universal Design Award Scheme (通用設計嘉許計劃). In the bottom left corner, there is a QR code with the text 'For Details:' next to it.



Universal Accessibility
needs

Commitment

and

Political Will

Action Plan

Norway universally designed by 2025



Law of the People's Republic of China on the Construction of Barrier-free Environment

Supreme People's Court 2023-06-28 23:31 Posted on 北京

Law of the People's Republic of China on the Construction of Barrier-free Environment

(June 2023, 6

The 14th National People's Congress

Adopted at the third meeting of the Standing Committee)

Contents

Chapter I General Provisions

Chapter II: Construction of barrier-free facilities

Chapter III: Barrier-free Information Exchange

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Chapter V: Safeguard Measures

Chapter VI: Supervision and Management

Chapter VII: Legal Liability

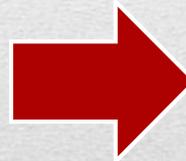
Chapter VIII Supplementary Provisions

- **China Disabled Persons' Federation**, said at the news conference that in the past three years, the Federation has ***trained 900 provincial-level disabled persons to give suggestions on barrier-free facilities***
- Last year, ***227 websites and applications have been improved to become more accessible for the disabled and the elderly***

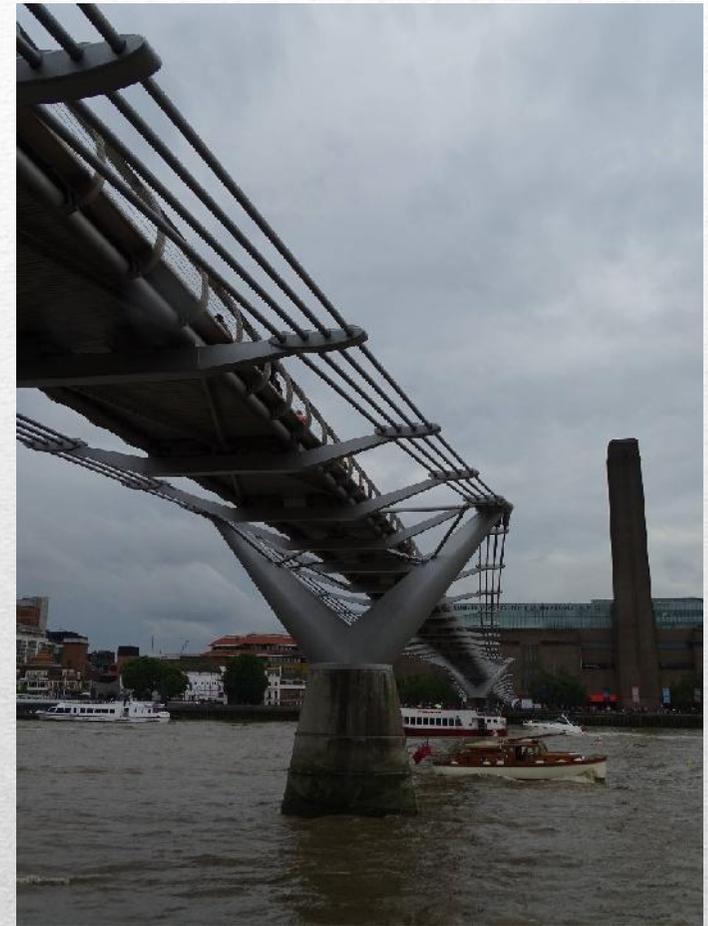
- **Laws, Regulations, Standards & Guidelines**
- **New Constructions & Existing Buildings**
- **Exterior, Streets & Footpaths, (*Seamless Connectivity*)**
- **Building Interior, (*Facilities and Features*)**
- **Public Transportation (*Air, Sea & Land*)**
- **Fire Safety (*Egress & Emergency Evacuation*)**
- **Playground & Public Open Spaces (*Indoor & Outdoor*)**
- **Education, Training & Public Awareness**
- **Awards & Recognitions**
- **Policy & Implementation**

Building *Universally Accessible Inclusive Safe* Community

Leave NO ONE Behind







Millennium Bridge London







Universal Design facilitates

***D**iversity*

***E**quity*

***I**nclusion*



Thank You

Ar Dr Joseph Kwan *MH DUniv*

RI Rehabilitation International

Vice President
Asia Pacific

UIA - International Union of Architects

Advisor
Work Programme *Architecture for All*

UDA Consultants Ltd.

Founder & Director

jkuda@netvigator.com
