

Monday, 20th February to Thursday, 2nd March 2006

ICTA Workshop ~ Saudi Arabia Ministry of Social Affairs



DoE N8/82?



People with Activity Limitations / Personnes à Performances Réduites

Regional Accessibility Implementation Planning

dedicated webpage <http://www.sustainable-design.com/arch/adaphouse.htm>

Good Accessibility = Good Design for People

Yes ... the Built Environment (incl. buildings, public spaces & transport, etc) is intended for 'Real' People !

Good accessibility should be invisible - except at the entrance/reception areas in a building, where a design language of accessibility is being introduced to users.

Any other areas as an exception ? Toilets.

An accessible building should never end up looking like a hospital !

Good accessibility also mainstreams - for safety reasons, as an example, all showers should have a vertical hand rail.

PAIR(SA) : 2012

Plan for Accessibility Implementation in the Region of



The Proper Starting Point with 'Accessibility-for-All' is at the level of ...

Built Environment Spatial Planning.

The Basic Planning Unit is the ...

Region.

Hybrid Approach to Disability

• Anti-Discrimination

- provides a social safety net
- a protection for the individual/group & society

• Equal Application of Human Rights

- commitment to accessibility of the 'built' (incl. 'virtual') environment
- commitment to accessibility of the 'social' environment

• Social Development

- good education (in context of 'lifelong learning' for everyone !)
- good employment **2 Important Keys to Social Inclusion**
- direct & meaningful consultation (avoid "does he like sugar in his tea?")
 - + 'informed consent', 'personal representative'

Sustainable 'Social' Environment

The complex network of real and virtual human interaction – at a communal or group level – which operates for reasons of tradition, culture, business, pleasure, information exchange, institutional organization, legal procedure, governance, human betterment, social progress and spiritual enlightenment, etc.

The 'social' environment shapes, binds together, and directs the future development of, the 'built' (incl.'virtual') environment.

1995 UN Copenhagen Declaration on Social Development

Accessibility-for-All : An Essential Attribute of a 'Person-Centred', Sustainable Built Environment ...

[which is in harmony & dynamic balance with a Flourishing Natural Environment !]

Good Education & Good Employment : Important Keys to Social Inclusion.

2001 WHO ICF

Regional Accessibility Implementation Planning

[Think of ISO 9000 (Quality of Industrial Products) & Quality Manual !]

1. Disability Policy Statement

Statement of Regional Authority/Employer/Education Establishment Good Intent.

2. Anti-Discrimination

A Practical Code of Practice is Required. Direct & Indirect Discrimination.
Document Procedures - Quantify Target(s) - 'Good Faith Efforts'.

3. 'Accessibility-for-All'

Accessibility is a **Prerequisite** for all of the above.

Accessibility Team: Widely Multi-Disciplinary & People with Activity Limitations.

Target: Accessibility of 'Built' (incl.'Virtual') & 'Social' Environments.

Harmonized Middle-East Technical Guidelines ~ **Accessibility Code of Practice.**

Accessibility Proofing of Existing Services, Systems, Policies & Projects.

Regional Accessibility Implementation Plan.

Guideline Framework

Achievement of Equal Opportunity & Social Inclusion For Every Person in the Region

1. Empowering People for Participation in Society
- 2. Removing Physical Restrictions on Participation**
3. Opening Up Every Facet of Society to Ability
4. Nurturing Opinion of Society, Politicians, Bureaucrats & Designers to be Receptive to 'Person-Centredness' of the Built (including Virtual) & Social Environments

Accessibility in Context

2. Removing Physical Restrictions on Participation

- **respecting dignity, privacy, autonomy and independence ;**
- viewing *access/usability/egress/evacuation* and *health/safety/welfare* issues in the light of equal opportunity, the right to participate, and the elimination of direct/indirect discrimination based on sex, racial or ethnic origin, religion or belief, disability, age or sexual orientation ;
- developing effective legislation, standards (nationally adopted *Harmonized Accessibility Code of Practice* and *Supporting Standards*), with *Design Guidance* in order to eliminate all forms of restriction ;
- **monitoring and controlling compliance with legislation ;**
- moving towards a 'community-based' approach in the spatial planning, and a 'person-centred' approach in the design and construction, of ...
Sustainable Built (incl.Virtual) & Social Environments.

'Accessibility-for-All' (-to-All!)

['Built' (incl.'Virtual') & 'Social' Environments]

This Term Avoids the **Theoretical Quicksand** of Design Philosophy,
e.g. Universal Design/Design-for-All/Barrier-Free Design/Facilitation Design

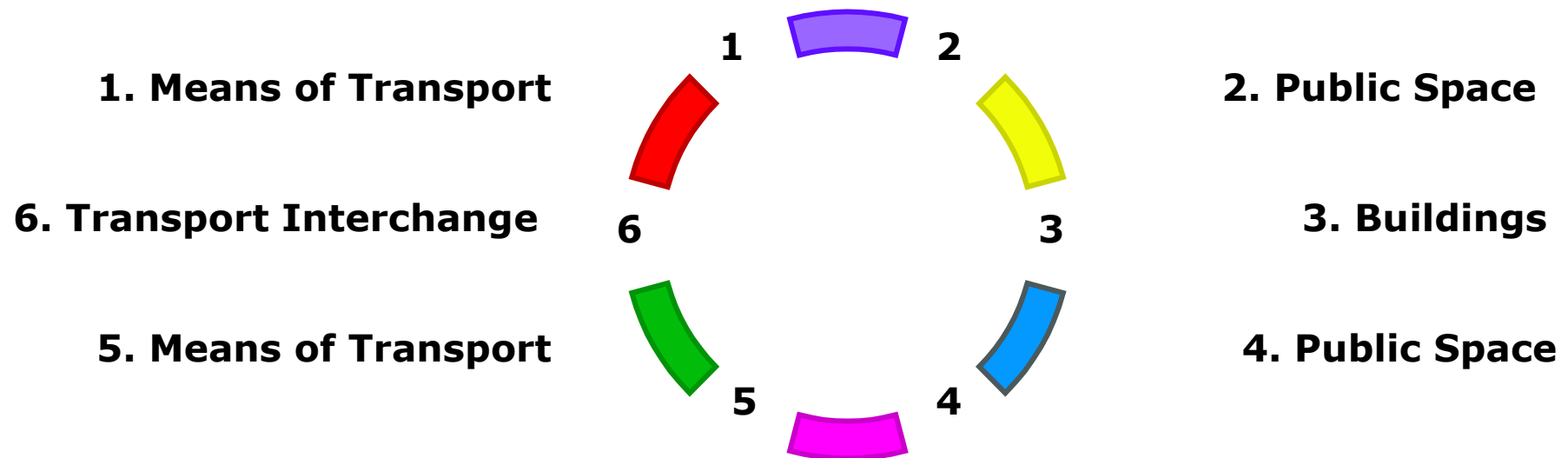
Emphasis must be on 'Real' Implementation !

The following must be fully incorporated into the **Meaning of 'Accessibility'**,
e.g. Buildings & Transport :

- **Approach** to the Building / Means of Transport ;
- **Entry** ;
- **Health, Safety, Convenience & Comfort in Use** (including thermal comfort, indoor air quality, etc) ;
- **Egress** Normally ;
- **Evacuation in the Event of a Fire** ;
- **Removal** from Vicinity of the Building / Means of Transport.

The Accessibility Cycle

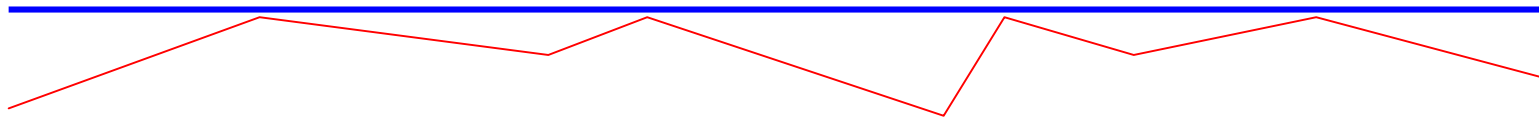
**A continuous process of independent activity and functioning
- with confidence - in the 'built' environment,
& positive participation in the general life of the community on the basis of
equal opportunity with every other person.**



e-Accessibility - With every day, the 'virtual' environment is merging more and more with each segment in this Cycle.

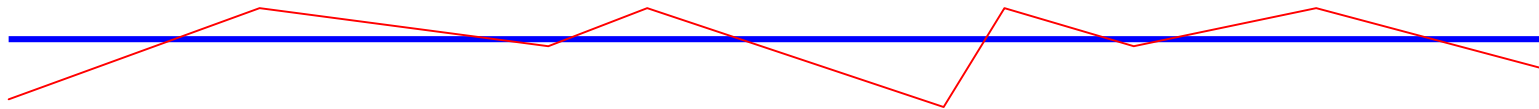
Exploring 'Accessibility-for-All'

1. Target Level of Accessibility in New Design* Requires Continual Re-Assessment



Achievable Level of Accessibility in Existing Facilities + Involves Higher Costs

2. Normative Level of Accessibility

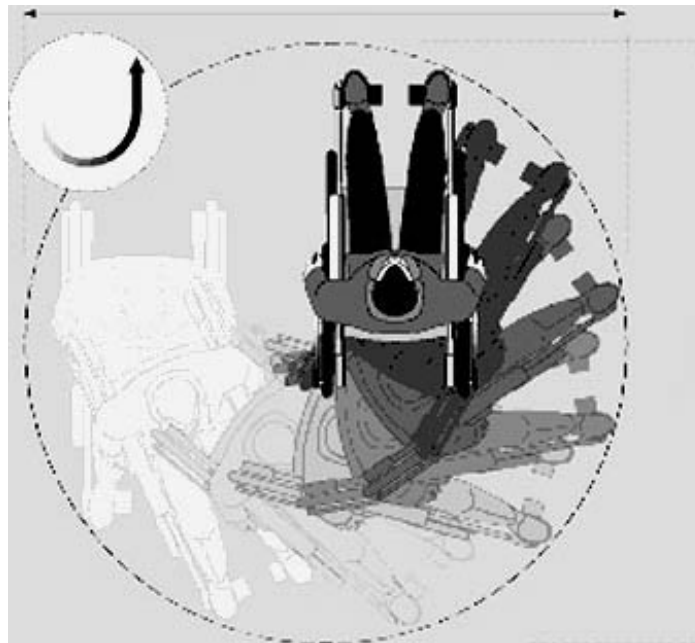


Individual Customization is Always Required

* Spatial Planning, Architectural/Engineering/Industrial Design & e-Design

Continual Re-Assessment of Accessibility

[Maximum Interval of 5 Years !]



Wheelchair Turning Circle = 1 800mm x 1 800mm (max.)
Minimum Clear Width of Door Openings = 800mm

Disability & Fire Protection in Buildings

▪ Greater Reliability Required

- reaction-to-fire
- fire resistance, including protection of structural elements
- **resistance to progressive collapse in fire**
- resistance to disproportionate damage
- building management

▪ Clear, Alternative Means of Evacuation

- evacuation routes must also be accessible !
- **design evacuation routes for firefighter contraflow**
- **design & manage for use of elevators/lifts in a fire situation**

▪ Place of Safety ?

- design & manage for multi-stage evacuation
- **'areas of rescue assistance' are only places of relative safety !**

'Accessibility-for-All' Framework

Accessibility Label (Logo)

+

Accessibility Label Award Scheme

+

Harmonized Accessibility Code of Practice

+

Quantitative Accessibility Performance Indicators

Harmonized Vocabulary on 'Functioning, Disability & Perception'

2001 WHO ICF Reliable Middle-East/National Data & Statistics

Quantitative Performance Indicators

(Qualitative Performance Indicators)

.... Setting Accessibility Targets & Monitoring.

PAIR(SA) Social Partnership

A collective of groups and individuals, i.e. the social partners, business, industry, civil society and experts, which acts as a 'catalyst' in enhancing and broadening implementation in an area of human and/or social policy ...

Accessibility of the Built (incl.Virtual) & Social Environments.

Guideline Principles on Establishment & Operation

- 1. Common Aim, Agenda & Objectives of the Social Partnership**
- 2. Respect for International Law, Peace & Middle-East Values**
- 3. Vertical Co-Ordination of Activities**
- 4. Horizontal Integration of Outcomes**
- 5. Multi-Sectoral & Multi-Disciplinary Participation**
- 6. Openness, Transparency & Accountability**
- 7. Effectiveness & Coherence**
- 8. Funding Arrangements**
- 9. Freshness & Self-Renewal**
- 10. Progress & Future Growth**

PAIR(SA) Accessibility Matrix : 2012

Built Environment (incl. EICT)		People with Activity Limitations (2001 WHO ICF)				
		All Users	Visual Impairment	Hearing Impairment	Physical Function Impairment	Mental / Cognitive Impairment
1. Means of Transport	a Buses					
	b Taxis					
	c Trains					
2. Street Pavements & Public Circulation Space						
3. Buildings	i List A					
	ii List B					
	iii List C					
4. Transport Interchange						
5. Miscellaneous						

PAIR(SA) e-Accessibility Matrix : 2012

EICT Products (Electronic, Information & Communication Technologies)	People with Activity Limitations (2001 WHO ICF)				
	All Users	Visual Impairment	Hearing Impairment	Physical Function Impairment	Mental / Cognitive Impairment
1. Product Accessibility Options					
2. User To Product (U2P) Interface Technologies					
3. WebSites					
4. Desktop, Portable & Miniaturized Computers					
5. WorkStations					
6. Computer Software & Operating Systems					
7. TV, Video & MultiMedia					
8. Telecommunications					
9. Isolated / Self-Contained					
10. Miscellaneous					

'Accessibility-for-All' Related Products

- **Good Design is Critical !**

- **Show 'Fitness for Intended Use' !**

- **MUST be properly shown**
- testing for safety, reliability, durability, strength, etc.
- standard products - test report(s) in accordance with ISO/IEC 17025
- innovative products in Saudi Arabia ?

<http://www.accessibility-for-all.com>