

UNIVERSAL DESIGN MARK

ASSESSMENT CRITERIA FOR PARKS & PUBLIC SPACES

CERTIFIED	GOLD	GOLD PLUS	☐ PLATINUM
DEVELOPMENT NAME ADDRESS	:		
DEVELOPER	:		
LANDSCAPE ARCHITECT/ ARCHITECT	:		
ASSESSMENT DATE	:		
ASSESSORS	:		

BCA UNIVERSAL DESIGN (UD) MARK CERTIFICATION SCHEME

The certification ratings range from basic requirements through to best practice in UD. The certification rating of a development is determined by the number of points scored during the assessment process.



CERTIFIED

- Applied basic UD principles in design
- Incorporated essential UD features that are over and above Accessibility Code compliance to create a more inclusive and user-friendly environment
- Score 50 < 65 points



GOLD

- Demonstrated user-centric design approach
- Incorporated comprehensive set of UD features that optimises access and caters to the needs of various user groups
- o Score 65 < 80 points



GOLD

- Displayed holistic approach in implementing UD principles in various stages of the development
- Well-conceived design features that are practical, aesthetically pleasing and appropriate for the context and function of the development
- Score 80 points and above



PLATINUM

- Integrated design process with strong focus on UD from conception to completion involving key stakeholders collaboration
- Design innovation through creative planning strategy, unique features, and/ or use of new technologies to create a high quality and usable environment for all building users
- Excel in all parts of the criteria checklist and score 85 points and above

To achieve

UD Mark for Parks and Public Spaces



Pre-requisite

All relevant accessibility requirements in the prevailing Accessibility Code are to be complied with



Part 1: Process (11 pts)

- Project development
- User consultation

Part 2: User-friendliness (54 pts)

- User-friendly provisions in parks and public spaces
- Other user-friendly provisions
- Way-finding

Part 3: Design Integration (18 pts + 8 bonus pts)

- Concepts that create conducive environments
- Innovative UD strategies/features
- Integration of equitable use facilities
- Aesthetic integration

Part 4: Accessibility & Connectivity (37 pts)

- Inter-connectivity
- Vehicular access & Facilities
- Pedestrian access & Circulation

Part 5: Safety (14 pts)

• Safety in movement & use

Part 6: Operations & Maintenance (12 pts)

- User-centric policy
- Operation & maintenance of facilities
- Communication
- Training
- Public Awareness





UD Mark Criteria		Points	
		Available	Awarded
Enco	1: Process purage the adoption of UD during project planning and elopment.		
1.1	Project development	(Up to 4 points)	
a.	Incorporate requirements for UD provisions in design brief	2	
b.	Project team comprises a BCA certified UD Assessor	2	
1.2	User consultation	(Up to 7 points)	
a.	Establish user needs through consultation sessions with (i) users (ii) user experts	2 2	
b.	Use of mock-ups to solicit user feedback on usability Note: Mock-ups to be project-specific with a design solution/outcome derived from the study	3	
	Sub-total(Part 1)	Up to 11points	
Dem	2: User-friendliness onstrate user-centric approach in planning, design, isions and attention to details.		
2.1	User-friendly provisions in parks and public spaces	(Up to 26 points)	
a	Resting area (pls check applicable) (i)	0.5 point (each) (max 3 points)	
b	Viewing areas (pls check applicable)	1 point (each) (max 2 points)	

UD Mark Criteria		Points	Points	
	THE IT		Available	Awarded
	(ii) [provision of seating with unobstructed view to points of interest; and look out points and decks with clear ground space of 1800mm by 1800mm for wheelchair and/or baby carriage (clear ground space should not overlap circulation route)		
С	(i) !	e provision at seating and resting areas 50% of total seating and resting areas; or All seating and resting areas	1 point 2 points	
d	plantin (i) { (ii) {	e provision along pathways (pls demonstrate via a ng plan submission) 50% of main pedestrian circulation; or 50% of all pedestrian circulation	1 point 2 points	
е	acces	all and recreational facilities with appropriate means of ss and equipment for family, elderly and wheelchair (pls check applicable) Children's play area	f 0.5 point (each)	
	(a) safe playing environment (e.g. sited away/barricaded from traffic or potential hazards, shock-proofed floor surface, play equipment of non-toxic materials and with rounded edges) b) certification by Certified Playground Safety Inspector (CPSI) c) play equipment suitable for use by children 	(max 4 points)	
	(with disabilities d)		
		f) ample seating provided nearby for visual supervision by caregivers		
		 g) shade provision for the play area and seating area h) others (pls specify): 	9	

UD Mark Criteria		Points	
	mark Officia	Available	Awarded
	(ii) Health and Fitness (a)	1 point (each) (max 5 points) 1 point (each) (max 7 points)	
f	3-Generation (3G) concept in the placement of play and fitness areas	1 point	
2.2	Other user-friendly provisions	(Up to 14 points)	
a	Additional sanitary facilities provision (pls check applicable) (i)	1 point 1 point (each) (max 6 points)	

UD Mark Criteria		Points	
		Available	Awarded
b	Designated nursing room (partitioned nursing area/s with seat/s, wash basin, diaper changing station/counters, hot water dispenser) at an appropriate area for nursing mothers to feed and change their babies in privacy and comfort	2 points	
С	Appropriate illumination along circulation/walking routes and activity and play areas to extend opportunities for physical activity into the evening	1 points	
d	Other services/facilities (pls check applicable) (i)	0.5 point (each) (max 4 points)	
2.3	Way-finding	(Up to 14 points)	
а	Physical design (pls check applicable) (i)	1 point (each) (max 5 points)	
b	Signage (i) clarity of signage system a. easy-to-read characters appropriately sized in relation to intended viewing distance b. easy-to-understand pictographs c. good colour contrast d. good illumination on signage e. appropriate mounting height for clear visibility	3 points (3 points to be awarded by BCA assessors only <u>after</u> site verification)	

UD Mark Criteria		Points	
		Available	Awarded
	 (ii) Information and direction a. Accessible route/s leading to/from the development (e.g. transport node, public street, cycling network, underpass, etc) b. Itactile directory map with Braille c. directory maps with circulation/walking routes information (e.g. distance, steps, steep gradient, width, surface, boardwalk and other topographic features) located prominently at appropriate location d. directional sign with indication of distance e. Braille and/or tactile signage beyond prevailing code requirement f. other (pls specify): 	1 point (each) (max 6 points)	
С	Online information (i) Provision for online information (e.g. landscape features in different weathers, accessible options for different demographic groups, etc) (ii) Provision for internet/online application system (e.g. mobile application, GPS data, educational facts, QR code, etc) (iii) other (pls specify):	1 point (each) (max 3 points)	
	Sub-total(Part 2)	Up to 54 points (plus 3 points after site verification)	

UD Mark Criteria	Points	
ob mark officia	Available	Awarded
Part 3: Design Integration Demonstrate user-centric approach in the planning and design of spaces as well as holistic and aesthetic incorporation of UD principles/features.		
3.1 Concepts and spatial design that create conducive environments for intended use e.g. quality outdoor activity/ therapeutic spaces through landscape planning, provisions of spaces that promote social integration, spaces designed with flexibility for different use, alignment of UD features with intended experience such as UD friendly boardwalks for riverine experience; access mat for wheelchair to the beach for coastal experience etc.	(max 8 points)	
3.2 Innovative UD strategies/features e.g. innovative landscape design that provides a variety of experiential and spatial experiences including recreational opportunities, habitat/biodiversity appreciation, accessible	(max 10 points)	
viewing points. Designed for anti-vandalism and natural surveillance. Pls specify: 3.3 Integration of equitable use facilities	(3 points to be	
A holistic approach in the planning and design of UD features to achieve the UD objectives e.g. activity spaces and facilities that accommodate and/or challenge all users regardless of their abilities, same or equivalent means of access to facilities, information and services for all users, considerate placement of facilities, information and services with respect to safety, usability and convenience.	awarded by BCA assessors only <u>after</u> site verification)	
Pls specify:		

UD Mark Criteria	Points	Points	
OD Mark Officia	Available	Awarded	
3.4 Aesthetic integration Aesthetic integration of UD facilities, features, plantings and fittings that is complementary to overall landscape (softscape/hardscape) design and surrounding built environment Pls specify:	(5 points to be awarded by BCA assessors only <u>after</u> site verification)		
Sub-total (Part 3	3) Up to 18 points (plus 8 bonus points)		
Part 4: Accessibility & Connectivity Provide seamless connectivity to its surrounding built environment and enhances overall accessibility network to streets and sidewalks.			
4.1 Inter-connectivity	(Up to 9 points)		
a. Accessible route/s leading to nearby (pls check applicable) (i)buildings/facilities within the development (ii)adjacent development/s (iii)Transport nodes (e.g. bus interchange, bus shelter MRT station, LRT station, taxi stand etc) (iv)traffic junction (v)public street/sidewalk (vi)overhead bridge (vii)underpass (viii)park connector (ix)others (pls specify):	r, 1 point (each) (max 9 points)		
4.2 Vehicular Access & Facilities	(Up to 8 points)		
a Entrance approach Provision of sheltered transport drop-off areas	2 points		
b Parking facilities (i) provision of accessible parking lots beyond	1 point (each) (max 6 points)		

UD Mark Criteria		Points	
		Available	Awarded
	prevailing Accessibility Code requirements and located conspicuously near entrance/s (ii) provision of family parking lots beyond prevailing Accessibility Code requirements and located conspicuously near entrance/s (iii) Designated pedestrian walkways and crossings in car park (iv) provision of bicycle parking lots (v) Provision of specific signage leading to nearby		
	parking facilities (vi) □Other (pls specify):		
4.3	Pedestrian Access & Circulation Accessible pedestrian entrance into the development	(Up to 20 points)	
a	(i) more than 50% of the entrances; or (ii) all entrances are accessible	1 point 2 points	
b	Accessible pedestrian circulation routes of more than 1800m width (i) 1 circulation route with gradient no steeper than 1:25 leading to all accessible spaces and facilities; or (ii) more than 50% of circulation routes; or (iii) all circulation routes	1 point 2 points 3 points	
С	Safety paths/tracks for different users with clear demarcation and information (e.g. pedestrian/joggers, cyclists, people in roller blades and/or on skate board)	2 points	
d	Wider landing provisions at ramps Straight-on:2000mm by 2000mm 90 deg turn: 2000mm by 2000mm 180 deg turn: 2500mm by 2500mm (i) at main circulation route leading to all accessible facilities and features; or (ii) at all circulation routes	1 point 2 points	
е	Staircase/s with UD features (pls check applicable) (i) staircase/s that are part of a building to have minimum tread width of 300mm and maximum riser height of 150mm (ii) outdoor staircase/s that corresponds with the table		

UD Mark Criteria		Points			
	mark Officia			Available	Awarded
	holovu				
	below:	Throad (mm)			
	Riser (mm) 120	Thread (mm) 410			
	125	400		1 point (each)	
	130	390		(max 11 points)	
	135	380		(**************************************	
	140	370			
	145	360			
	150	350			
	continuous at intermediate (iv) secondary handrails for (v) braille/tactile indicators (vi) intermediate handrails 2400mm wide (vii) minimum length of land (viii) total risers between lan 1500mm (ix) wider kerb alongside st of bicycle (x) non-slip nosing with lur (xi) others (pls specify):	r children on handrails for staircases more than ling at 1500mm dings not exceeding aircase to facilitate pushin	ng		
		Sub-total (Part	t 4)	Up to 37 points	
Part	5: Safety				
5.1	Safety in movement & use			(Up to 14 points)	
a.	Appropriate use of surface finischange in level (pls check application) (i)	ble)	n	1 point (each) (max 3 points)	
b.	resistant and free from maximum cross-fall gra (ii) No obstacles, dange protrusions overhead has branches along pedest	e stable, firm, level, slip- water-ponding with adient of 1:50 rous projections, nazards and low hanging trian circulation ion level with direct and	e/s	1 point (each) (max 11 points)	

UD Mark Criteria		Points	
		Available	Awarded
	(iv) Softscape/vegetation not obstructing functional		
	provision such as handrails, signage, illumination		
	and etc.		
	(v) Appropriate placement of street furniture/fixtures without obstructing pedestrian circulation		
	(vi) Up stand edge protection of at least 75mm in		
	height and 75mm in width where there is a direct		
	drop of 200mm or more		
	(vii) Gratings placed outside of circulation route and		
	perpendicular to direction of travel		
	(viii) Tree grilles levelled with adjacent ground		
	surface		
	(ix) Appropriate safety measures provided at areas		
	such as water bodies, slopes, steep drops or prone to thunderstorm		
	(x) Appropriate strategies (e.g. visibility, clear		
	sightlines) to enable the chance of informal and		
	formal surveillance so as to enhance safety and		
	security. (xi) others (pls specify):		
	(xi)		
	Sub-total (Part 5)	Up to 14 points	
Part	Sub-total (Part 5) 6: Operations & Maintenance	Up to 14 points	
Part	6: Operations & Maintenance		
	<u> </u>	Up to 14 points (Up to 2 points) 2	
6.1	6: Operations & Maintenance User-centric policy	(Up to 2 points)	
6.1	6: Operations & Maintenance User-centric policy Establish corporate policy on creating a user-friendly built environment Operation & Maintenance of Facilities	(Up to 2 points)	
6.1 a.	6: Operations & Maintenance User-centric policy Establish corporate policy on creating a user-friendly built environment Operation & Maintenance of Facilities Design consideration made to ease maintenance of	(Up to 2 points)	
6.1 a. 6.2	6: Operations & Maintenance User-centric policy Establish corporate policy on creating a user-friendly built environment Operation & Maintenance of Facilities Design consideration made to ease maintenance of (pls check applicable)	(Up to 2 points)	
6.1 a. 6.2	6: Operations & Maintenance User-centric policy Establish corporate policy on creating a user-friendly built environment Operation & Maintenance of Facilities Design consideration made to ease maintenance of (pls check applicable) (i)facilities, features and fittings	(Up to 2 points) 2 (Up to 6 points)	
6.1 a. 6.2	6: Operations & Maintenance User-centric policy Establish corporate policy on creating a user-friendly built environment Operation & Maintenance of Facilities Design consideration made to ease maintenance of (pls check applicable) (i)	(Up to 2 points) 2 (Up to 6 points) 1 point (each)	
6.1 a. 6.2	6: Operations & Maintenance User-centric policy Establish corporate policy on creating a user-friendly built environment Operation & Maintenance of Facilities Design consideration made to ease maintenance of (pls check applicable) (i)	(Up to 2 points) 2 (Up to 6 points) 1 point (each)	
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6.1 a. 6.2 a.	6: Operations & Maintenance User-centric policy Establish corporate policy on creating a user-friendly built environment Operation & Maintenance of Facilities Design consideration made to ease maintenance of (pls check applicable) (i)	(Up to 2 points) 2 (Up to 6 points) 1 point (each) (max 3 points) 1 point (each) (max 3 points)	
6.1 a. 6.2 a. b.	6: Operations & Maintenance User-centric policy Establish corporate policy on creating a user-friendly built environment Operation & Maintenance of Facilities Design consideration made to ease maintenance of (pls check applicable) (i)	(Up to 2 points) 2 (Up to 6 points) 1 point (each) (max 3 points) 1 point (each) (max 3 points)	

BCA Universal Design Mark

Assessment criteria for Parks and Public Spaces Developments

UD Mark Criteria		Points	
		Available	Awarded
	hotline number and etc.)		
6.4	Training	(Up to 1 point)	
a.	Strong commitment on training and equipping employees with UD knowledge	1	
6.5	Public Awareness	(Up to 1 point)	
a.	Raise greater public awareness towards user-friendly built environment (i)	0.5 point (each) (max 1 point)	
	Sub-total (Part 6)	Up to 12 points	
	GRAND TOTAL		