

## Revised Accessibility Standards for Improved Inclusivity

### 1. Ramp Gradients and Maximum Horizontal Run Length:

- Slope 1:15, Max Run: 6m (Less steep for short ramps)
- Slope 1:16, Max Run: 9m (Less steep than current 1:14)
- Slope 1:18, Max Run: 11m (Less steep than current 1:15)
- Slope 1:22, Max Run: 15m (Less steep than current 1:20)
- Slope 1:25, Max Run: 18m (No change in slope, easier to navigate)

### 2. Changes in Levels:

- Vertical Rise 0-15mm: Gradient 1:3 (Less steep for small changes)
- Vertical Rise 15-50mm: Gradient 1:6 (Less steep, easier to navigate)
- Vertical Rise 50-200mm: Gradient 1:12 (Less steep, standard ramp slope)
- Vertical Rise >200mm: Gradient 1:15 (Less steep, easier for wheelchair users)

### 3. Ramp Dimensional Requirements:

- Minimum width: 1500mm (Wider for easier wheelchair passing)
- Landing platform: 1800mm (Larger for wheelchair maneuverability)
- Handrail height: 800-900mm, 650-750mm (Dual handrails for different user heights)
- Edge protection height: 100mm (Higher for increased safety)
- Edge protection width: 100mm (Wider for increased visibility and safety)
- Handrail extension: 450mm (Longer extension for better support)
- Water closet grab bar height: 280-300mm, 350-400mm (Options for different heights)

### 4. Access Routes and Paths:

- Primary access route residential: 1800mm (Wider for easier navigation)

- Primary access route schools: 1800mm (Wider for easier navigation)
- Primary access route public buildings: 2000mm (Wider for high-traffic areas)
- Secondary access route: 1500mm (Wider for easier use)
- Passing space width: 2000mm (Wider for easier passing)
- Passing space length: 2000mm (Longer for easier passing)
- Passing space interval parks: 30m (More frequent passing spaces)
- Passing space interval other: 20m (More frequent passing spaces)
- Resting areas interval: 30m (More frequent resting areas)
- Clear headroom: 2200mm (Higher clearance for taller users)

#### 5. Additional Accessibility Improvements:

- Cross-fall gradient: 1:50 (Reduced cross slope for easier travel)
- Visual contrast at edges: High contrast with tactile indicators (Better visibility for vision impairment)
- Resting areas seating: With back and armrests, multiple heights (More comfortable for various users)
- Rest area clear space: 900mm x 1500mm space beside seating (Space for wheelchair users beside seating)
- Tactile indicators: Enhanced contrast, uniform placement (Better detection for vision impairment)
- Lighting on ramps: Min 100 lux, even distribution (Better visibility for all users)