Appendix to Consultation Document: Amendments to Technical Building Works Regulations

**Overview of applicable requirements and proposals for amended requirements**

|  |  |  |
| --- | --- | --- |
| **Part 1 Proposal for amendment of accessibility requirements in dwelling units** | | |
| **§** | **Applicable requirements** | **Proposal for amendments** |
|  |  | A. Unntaksalternativ |
| Requirements concerning accessible dwelling units  Section 12-2, first subsection | Dwelling units in buildings that require lifts shall have all primary functions on the entrance level. The entrance level shall be accessible to people with impaired mobility pursuant to the provisions in the regulations. | Dwelling units in buildings that require lifts shall have all primary functions on the entrance level. The entrance level shall be accessible to people with impaired mobility pursuant to the provisions in the regulations. *It is sufficient that up to 50 percent of dwelling units of a maximum of 50 m² net internal area with one or two rooms for permanent occupation in the building fulfil the requirements.* |
|  |  | B. Reduksjonsalternativ |
| Requirements for rooms and other  occupied areas  Section 12-7, second subsection | Accessible dwelling units must be dimensioned for wheelchairs on the entrance level. Rooms must have stepless access and a turning area with a diameter of a minimum of 1.5 m. Rooms must be designed such that wheelchair users will be able to operate the requisite functions in a satisfactory manner. | (2) Accessible dwelling units must be dimensioned for wheelchairs on the entrance level. Rooms must have stepless access and a turning area with a diameter of a minimum of 1.4 m. *For rooms with the same function it is sufficient that at least one has a turning area with a diameter of a minimum of 1.4 m.* Rooms must be designed such that *wheelchair users* will be able to operate the requisite functions in a satisfactory manner. |
| Entrance halls and cloakrooms  Section 12-8, first subsection | Entrance halls/entrances in accessible dwelling units shall have free clearance outside of the furnishings zone and room for a turning circle of 1.5 m in diameter for a wheelchair beyond the door’s swing radius. | (1) Entrance halls/entrances in accessible dwelling units shall have free clearance outside of the furnishings zone and room for a turning circle of 1.4 m in diameter for a wheelchair beyond the door’s swing radius. |
| Bath and toilet, section 12-9, first subsection and letter a | 1. The dwelling unit must have at least one bath and toilet where the following must be fulfilled: 2. The size and layout must be such that there is free floor space for a turning circle with a diameter of a minimum of 1.5 m in front of the toilet, a minimum of 0.9 m free floor space on one side of the toilet and a minimum of 0.2 m on the other side. There shall be free passage width of 0.9 m up to the free clearance to the toilet. | 1. The dwelling unit must have at least one bath and toilet where the following must be fulfilled: 2. The size and layout must be such that there is free floor space for a turning circle with a diameter of a minimum of 1.4 m in front of the toilet, a minimum of 0.9 m free floor space on one side of the toilet and a minimum of 0.2 m on the other side. There shall be free passage width of 0.9 m up to the free clearance to the toilet. |
| Balcony and terrace, section 12-11, third subsection and letters a and b | (3) For buildings with requirements for accessible dwelling units and structures with requirements for universal design, the following must be fulfilled:  b) Balconies, terraces and outdoor spaces shall have free floor space for a wheelchair that provides room for a turning circle 1.5 m in diameter beyond the door’s swing radius. | (3)For buildings with requirements for accessible dwelling units and structures with requirements for universal design, the following must be fulfilled:  b) *In structures with requirements for universal design*, balconies, terraces and outdoor areas must have free floorspace for wheelchairs that provide space for a turning circle with a diameter of 1.5 m outside the door's swing radius.  c) *In structures with requirements for accessible dwelling units, at least one balcony, terrace and outdoor area must have free floorspace for wheelchairs that provide space for a turning circle with a diameter of 1.4 m outside the door's swing radius.* |
| Doors, gates, etc.  Section 12-15, fourth subsection | (4) In buildings with requirements for accessible dwelling units, the first through the third subsections apply, with the exception of the third subsection, letter a. | (4) In buildings with requirements for accessible dwelling units, the first through the third subsections apply, with the exception of the third subsection, letter a. *The third subsection, letter e, applies only for entrance doors, doors to balconies and terraces and doors to rooms with a requirement for accessibility.* |
| **Part 2 Proposal for amendments to outdoor areas** | | |
| § | Applicable requirements | Proposal for amendments |
| Outdoor areas with requirements for universal design  Section 8-2, first subsection and letter b | The following outdoor area must be universally designed such as follows from provisions in the regulations:  -  b) common outdoor areas for larger residential areas  - | (1) *The following outdoor area must be universally designed such as follows from provisions in the regulations:*  *a) outdoor areas for the general public*  *b) outdoor areas for residential dwelling structures with requirements for lifts*  *c) outdoor areas for structures for the public*  *d) outdoor areas for work buildings* |
| Pedestrian access to structures  Section 8-6, first subsection  Ramps, section 12-18, second subsection | Section 8-6 Pedestrian access to structures  Pedestrian access to structures with dwelling units must be stepless and not have a gradient of more than 1:20. For shorter distances of up to 3.0 m the gradient can be a maximum of 1:12. For each 0.6 m of difference in height, there must be a horizontal resting level of a minimum of 1.6 m x 1.6 m. If the terrain is too steep for the gradient requirements to be complied with, then the requirement does not apply for freedom from steps and the gradient to structures with dwelling units without a requirement for a lift.  Section 12-18, second subsection  (2) Ramps must have an even, slip-proof surface and a maximum gradient of 1:20. For sections of less than 3.0 m the rise can be a maximum of 1:12. For each 0.6 m of difference in elevation, there must be a horizontal resting level with a length of a minimum of 1.5 m. | Section 8-6 Pedestrian access to structures:  (1) Pedestrian access to structures with dwelling units must be stepless and not have a gradient of more than 1:15. For shorter distances of up to 3.0 m the gradient can be a maximum of 1:12. For each 0.6 m of difference in elevation, there must be a horizontal resting level *with a length of a minimum of 1.5 m*. If the terrain is too steep for the gradient requirements to be complied with, then the requirement does not apply for freedom from steps and the gradient to structures with dwelling units without a requirement for a lift.  Section 12-18, second subsection:  (2) Ramps must have an even, slip-proof surface and a maximum gradient of 1:20. For sections of less than 3.0 m the rise can be a maximum of 1:12. For each 0.6 m of difference in elevation, there must be a horizontal resting level with a length of a minimum of 1.5 m. *Ramps associated with structures with dwelling units may have a maximum gradient of 1:15.* |
| **Part 3 Other proposed amendments** | | |
| **§** | Applicable requirements | Proposal for amendments |
| Exits from fire cells  Section 11-13, third subsection | Fire cells that consist of multiple storeys, or have a mezzanine, must have at least one exit from each storey. In construction works in hazard classes 1, 2, 3 and 4, the exits from these levels, besides the entrance level, may be windows that facilitate safe escape. | [(3)](http://byggeregler.dibk.no/dxp/content/tekniskekrav/11/13/#be2010121383919772d1e219)Fire cells that consist of multiple storeys, or have a mezzanine, must have at least one exit from each storey. In construction works in hazard classes 1, 2, 3 and 4, the exits from these levels, besides the entrance level, may be windows that facilitate safe escape. *In fire cells in structures in hazard class 4 with automatic extinguishing systems, the uppermost level may have its exit via the nearest underlying level.* |
| Doors, gates, etc.  Section 12-15, third subsection and letter b | In structures with requirements for universal design, the following shall apply in addition to the first and second subsections:  b) Doors that are intended for manual opening must be able to be opened with a maximum opening force of 20 N. | (3) In structures with requirements for universal design, the following shall apply in addition to the first and second subsections:  b) Doors that are intended for manual opening must be able to be opened with a maximum opening force of 30 N. *The requirement applies for doors to and in the primary access and primary emergency escape routes.*  (4) In buildings with requirements for accessible dwelling units, the first through the third subsections apply, with the exception of the third subsection, letter a. *The requirement concerning a maximum opening force of 30 N applies for doors in all access and emergency escape routes.* |
| Windows and other glazed fields  Section 12-20, first subsection and letter a | Windows and other glazed fields that upon being broken can inflict injuries on people or pets must be secured against impacts and falls. A window wall can be implemented with a minimum height of 0.8 m up to the glazed field to secure this, or by safety glass or in some other manner. In general the following apply:  a)In structures with dwelling units, windows and other glazed fields in exterior walls beginning with the second floor must be secured. This does not apply for windows and glazed fields facing balconies, etc. | (1)Windows and other glazed fields that upon being broken can inflict injuries on people or pets must be secured against impacts and falls. A window wall can be implemented with a minimum height of 0.8 m up to the glazed field to secure this, or by safety glass or in some other manner. *The following apply regardless*:   1. In buildings with dwelling units, windows and other glass fields must *be secured*. |
| **Editorial changes** | | |
|  | Applicable requirements | Proposal for amendments |
| Section 12-7  Requirements relating to rooms and other areas for people | The concept of a ”wheelchair user” has been misspelled. It be being proposed that this be corrected | (2) Accessible dwelling units must be dimensioned for wheelchairs on the entrance level. Rooms must have stepless access and a turning area with a diameter of a minimum of 1.5 m. Rooms must be designed such that wheelchair users will be able to operate the requisite functions in a satisfactory manner |
| Section 13-9  Noise from building technical installations and outdoor noise | The expression for outdoor space is misspelled in section 13-9, second subsection. | (2) Structures must, with regard to noise from outside sources, be sited, project-planned, project-managed and executed such that satisfactory acoustic conditions are ensured in the structure and in outdoor spaces set aside for recreation and play. This also applies to sources of structure-borne noise. |
| General  requirements for lifting equipment.  Section 15-11, first paragraph | Due to an oversight, the present provision refers to the rescinded provision in TEK10 section 3-7. The Regulations concerning sales and documentation of construction products went into effect on 1 January 2014 and section 16 of the regulations are a continuation of the rescinded provision in TEK10 section 3-7. This is corrected in the reference in the first subsection. | The provision applies for lifting equipment as described in *Regulations concerning sales and documentation of construction products, section 16.* |
| Railings  Section 12-17 second and third subsections | (2) The height of railings on stairs and ramps must be a minimum of 0.9 m. The height of railings on balconies, platforms, passages and the like must at a minimum be 1.0 m. Where the height difference to the underlying ground is more than 10 m, the railing height shall be a minimum of 1.2 m.  (3) Handrails on railings must be at a height of 0.9 m above the floor/step. | (2) For railings on stairs and ramps, *the following must be fulfilled*:  a) The height of railings must be a minimum of 0.9 m. This also encompasses railings at a *landing and horizontal resting level*.  b) Handrails must be at a height of 0.9 m above the floor/step.  (3) The height of railings on balconies, platforms, passages and the like must at a minimum be 1.0 m. Where the *difference in levels* is more than 10.0 m, the railings must *have a height of* a minimum of 1.2 m. |