

# Code of Statutes of the Swedish National Board of Housing, Building and Planning

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## **The Swedish National Board of Housing, Building and Planning's draft regulations on the inspection and accreditation of inspection bodies for motorised devices;**

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By virtue of Chapter 10, Section 19, first paragraph, points 1-3) and Section 20 of the Planning and Building Ordinance (2011:338), the Swedish National Board of Housing, Building and Planning hereby lays down<sup>1</sup> the following.

### **Chapter 1 General provisions**

#### **General**

**Section 1** This Statute contains regulations relating to Chapter 5, Sections 8 and 11 of the Planning and Building Ordinance (2011:338) on carrying out inspections on motorised devices. The Statute also contains regulations on the competence requirements for accreditation of inspection bodies pursuant to Chapter 5, Section 10 of the same Ordinance, as well as other requirements concerning reporting and information for such bodies.

#### **Scope of the regulations**

**Section 2** The regulations apply to motorised devices as referred to in Chapter 1, Section 5 of the Planning and Building Ordinance (2011:338), with the clarifications set out in the Swedish National Board of Housing, Building and Planning's regulations (20xx:xx) on requirements for the use of motorised devices.

The regulations in Chapter 1 include general provisions.

The regulations in Chapter 2 include provisions on the accreditation of inspection bodies.

The regulations in Chapter 3 include provisions on the carrying out of inspections.

#### **Definitions**

**Section 3** Terms and expressions in this statute have the same meaning as in the Swedish Planning and Building Act (2010:900), the Planning and Building Ordinance (2011:338) and the Swedish National Board of Housing, Building and

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<sup>1</sup> See Directive (EU) 2015/1535 of the European Parliament and of the Council of 9 September 2015 laying down a procedure for the provision of information in the field of technical regulations and of rules on Information Society services.

Planning's regulations (20xx:xx) on requirements for the use of motorised devices.

### **Inspection reports**

**Section 4** In inspection reports pursuant to Chapter 5, Section 11, first paragraph of the Planning and Building Ordinance (2011:338), the following shall be stated:

1. during the first inspection, whether the motorised device complies with the relevant safety and health protection requirements;
2. during periodic inspections, if the parts of the device that are important for safety and health protection are kept in a safe state;
3. during an audit inspection if, after the modification, the device complies with the applicable safety and health protection requirements.

If the device has defects, this shall be stated in the report, as well as the significance of the defects for safety and health. For deficiencies which, taken individually, are not of immediate relevance in the light of safety and health protection requirements, the total importance of the deficiencies for safety and health shall be indicated.

The inspection report shall also include information on:

1. the device and its unique identification (serial number, place of manufacture or other indication for simple identification);
  2. the inspection body's name;
  3. accreditation number,
  4. accreditation label,
  5. the date of inspection and the date of issue of the protocol;
  6. the name or identification code of the person who carried out the inspection;
- and
7. the maximum permissible load (if it is a load-bearing device).

In the case of a device which, at the end of the inspection, does not have deficiencies which are of immediate significance for safety and health in accordance with Chapter 3, Sections 6 or 12-13, the month and year in which a new inspection is to be carried out shall also be indicated in the case of an initial or periodic inspection.

### **Inspection plate**

**Section 5** If, after completion of the initial or periodic inspection, the motorised device has been assessed as not to have deficiencies that constitute immediate significance to safety and health in accordance with Chapter 3, Sections 6 or 12-13, the inspection body shall issue or update an inspection plate. The requirement to update the inspection plate also applies after the audit inspection if any information on the plate has changed.

The plate shall indicate clear and easy-to-understand information on:

1. the identity of the device;
2. the month and year in which a new inspection is to be carried out;
3. the inspection body's name;
4. accreditation number,
5. accreditation mark; and
6. the maximum permissible load (if it is a load-bearing device).

**Miscellaneous provisions**

**Section 6** The inspection body shall send a copy of the accreditation certificate to the Swedish National Board of Housing, Building and Planning.

**Section 7** The inspection body shall annually compile and report to the Swedish National Board of Housing, Building and Planning such deficiencies that have been noted during inspections and which may be of importance for assessing the safety of a certain type of object.

If, during the inspection, the inspection body observes serious deficiencies that are likely to be found in similar devices in other establishments, the National Board of Housing, Building and Planning shall be informed as soon as possible.

**Section 8** The inspection body shall, where appropriate, participate in meetings for the exchange of experience organised or designated by the accreditation body or the National Board of Housing, Building and Planning.

**Chapter 2 Accreditation of inspection bodies**

**Section 1** An inspection body accredited to perform inspections of motorised devices in construction works shall be of Type A in accordance with SS-EN ISO/IEC 17020:2012 and comply with the requirements set out in Sections 2–6.

**Section 2** Inspection bodies may be accredited for various types of equipment.

**Section 3** Inspection bodies may be accredited for either competence areas B and K or only competence area B. Competence area B covers installation inspections in accordance with Chapter 3, Section 4 and such inspections as are included in periodic inspections pursuant to Chapter 3, Section 9. Competence area K includes design examination in accordance with Chapter 3, Section 3.

**Section 4** Accredited inspection bodies shall have staff with qualifications in the competence area or areas covered by the accreditation. The staff shall be employed either on a permanent basis or under contract with the inspection body. The staff shall have practical experience of the type(s) of device(s) to which the accreditation relates.

At least one employee must have a low voltage (AL) authorisation in accordance with Chapter 2, Section 1 of the National Electrical Safety Board's Regulations on authorisation as an electric installer, ELSÄK-FS 2017: 4.

The technical management of an inspection body accredited for competence area K shall include at least one person with a relevant degree in civil engineering or equivalent knowledge.

**Section 5** An inspection body accredited for competence area B shall have responsible inspection staff who meet the following requirements:

1. the inspection staff shall have at least three years of secondary education with the relevant specialisation or equivalent knowledge; they shall also have completed additional theoretical training within the areas and for the type of devices to which their personal competence relates.

The additional training shall include, depending on the device in question:

a) regulations and standards in the field;

- b) inspection, scope of inspection and inspection philosophy;
- c) carrying out inspections;
- d) basic knowledge of design examination;
- e) schedule review;
- f) knowledge of objects in the area;
- g) knowledge equivalent to that required to obtain a limited authorisation (B) under Chapter 2, Section 1 of the National Electrical Safety Board's regulations (ELSÄK-FS 2017:4) on authorisation as an electrician; and
- h) knowledge of the expected types of damage.

2. Inspection staff shall have completed a period of practical training under the supervision of the competent inspection engineer. The training must have given the trainee the opportunity to carry out and report on inspection assignments under experienced technical guidance and supervision.

One year of experience in periodic inspections is required in order to carry out installation inspections.

**Section 6** In an inspection body accredited for competence area K, there shall be responsible inspection staff who meet the following requirements:

1. the inspection staff shall have at least three years of secondary education with the relevant specialisation or equivalent knowledge; they shall also have completed additional theoretical training within the areas and for the type of devices to which their personal competence relates.

The additional training shall include, depending on the device in question:

- a) regulations and standards in the field;
- b) materials and welding technology;
- c) schedule review;
- d) manufacturing and installation methods;
- e) scope of inspection;
- f) calculation models;
- g) knowledge of objects and systems in the field; and
- knowledge equivalent to that required to obtain a limited authorisation (B) under Chapter 2, Section 1 of the National Electrical Safety Board's regulations on authorisation as an electrical installer, ELSÄK-FS 2017:4.

2. Inspection staff shall have completed a practical training course under the supervision of a competent calculation or control engineer. The training must have given the trainee the opportunity to carry out and report design examination assignments himself under experienced technical guidance and supervision.

## **Chapter 3 Conduct of inspection**

### **General**

**Section 1** This chapter specifies the tasks that inspection bodies shall perform in the inspection of motorised devices in accordance with the inspection requirements laid down in the Swedish National Board of Housing, Building and Planning's Regulations (20xx:xx) on requirements for the use of motorised devices.

### **First inspection**

**Section 2** During the first inspection, the inspection body shall examine whether the motorised device meets the requirements for protection set out in the

regulations on inspection issued pursuant to Chapter 16, Section 11 of the Swedish Planning and Building Act (2010:900).

The first inspection shall include both design and installation inspections, unless the power-driven device is covered by an exemption under Chapter 1, Section 20 of the National Board of Housing, Building and Planning's Regulations (20xx: xx) on requirements for the use of motorised devices.

#### *Design inspection*

**Section 3** Design inspection shall include the following:

1. inspecting the suitability of the device for its intended purpose and its location in the building or on the property, taking into account safety and health considerations;
2. examination of drawings, wiring diagrams, details of loads, materials and surface treatment;
3. verification that the ability to safely carry out maintenance and on-going inspections has been taken into account;
4. verification of calculations, safety analyses and reports, to the extent necessary to assess the strength, stability and safety in general;
5. inspecting instructions for use, operation, rescue, ongoing supervision and maintenance,

#### *Installation inspection*

**Section 4** Installation inspections shall include inspections of:

1. that the correct device has been installed for the purpose, with the load and speed for which it is intended, and that it has been correctly placed in the building or on the property, taking into account safety and health considerations;
2. that the device is installed in accordance with the associated documentation;
3. attachments of the device to load-bearing parts of the building;
4. the spaces and equipment belonging to the device;
5. that building parts, installations or other objects do not affect the device in such a way that it may adversely affect the safety of the device;
6. the operation of the safety and protective devices;
7. the function of the device in general; and
8. the availability of instructions for use, operation, rescue, ongoing supervision and maintenance.

The verification of load-dependent safety and security devices referred to in point 6 of the first paragraph shall be carried out both with and without the necessary load. All values measured during tests that are of importance for future inspections shall be recorded in the register in accordance with Chapter 1, Section 26 of the National Board of Housing, Building and Planning's Regulations (20xx:xx) on requirements for the use of motor-powered devices.

When inspecting the load bearing equipment referred to in point 7 of the first paragraph, the inspection shall be carried out with the necessary load.

#### *Opinion of the inspection body*

**Section 5** If the inspection reveals that the motorised device has defects, the inspection body shall, based on its inspection, consider whether the defects present an immediate risk to health and safety in accordance with Section 6.

*Defects of immediate importance for safety and health*

**Section 6** Shortcomings that remain after completed inspection in accordance with Section 3 or Section 4, points 1, 2, 3, 5 or 6 individually pose an immediate risk to health and safety.

Defects remaining after completion of controls under Section 4(4), (7) or (8) may also be assessed by the control body as interacting and therefore posing an immediate risk to safety and health.

*Defects that are not of immediate importance to health and safety*

**Section 7** Defects other than those referred to in Section 6 shall not be considered to be of immediate importance for safety and health.

**Repeated inspection**

**Section 8** When carrying out periodic inspections, the inspection body shall check whether the motorised device meets the requirements for protection applicable to the device laid down in the Regulations on inspection (of motorised devices) issued pursuant to Chapter 16, Section 11 of the Planning and Building Act (2010:900).

**Section 9** Periodic inspections shall include the following:

1. performance test of the safety and protective devices;
2. performance test of the device in general;
3. inspection of driving and load-bearing parts of the device, suspension of load-bearing baskets, chairs or the like, all with regard to changes that can reduce the safety of the device; ropes for cableway installations are subject to magnetic induction examination in accordance with Chapter 4, Section 9, of the National Board of Housing, Building and Planning's Regulations (20xx: xx) on requirements for the use of motorised devices;
4. inspection of the operating condition of the components that are not active during normal operation;
5. inspection that the device has not undergone any modifications or interventions that may affect the safety of the device;
6. inspection that in the device proximity there have not been any measures taken that could adversely affect device safety or bring about a risk of accidents in general;
7. inspection that instructions and signs regarding use, operation, rescue, continuing oversight, upkeep, and maintenance are accessible;
8. inspection of the records referred to in Chapter 1, Section 26 of the Swedish National Board of Housing, Building and Planning's Regulations (20xx:xx) on requirements for the use of motorised devices means that the device is continuously monitored, operated and maintained'
9. inspection that the shortcomings identified in the previous inspection, but not considered to be of immediate significance to health and safety, have been rectified. If the most recent inspection concerns an audit inspection, the minutes of the most recent initial or periodic inspection shall also be inspected.

**Section 10** The more comprehensive periodic inspection of cableways and funicular railways pursuant to Chapter 4, Section 8 of the Swedish National Board of Housing, Building and Planning's regulations (20xx:xx) on requirements for the use of motorised devices shall, in addition to a periodic inspection pursuant to Section 9, also cover the following:

1. inspection that the instructions and equipment for operation, management, maintenance and own monitoring provide a satisfactory level of safety as long as the instructions are complied with;
2. inspection that operation instructions and equipment provide conditions for the safe evacuation of passengers;
3. inspection that instructions and equipment are available which provide conditions for both preventive fire protection and protection in the event of fire;
4. inspection that machinery and service spaces contain only devices and materials for cableway installation in accordance with Chapter 4, Section 1 of the National Board of Housing, Building and Planning's Regulations (20xx:xx) on requirements for the use of motorised devices.
5. performance testing of load-dependent safety and protective devices with the necessary load in cases where such testing in periodic inspections under Section 9 is done against the reference values;
6. performance testing of emergency machinery with the necessary load;
7. inspection of the strength of the poles and their foundations with regard to the influence of operation, corrosion and weather.

#### *Opinion of the inspection body*

**Section 11** If the inspection reveals that the device has defects, the inspection body shall, based on its inspection, consider whether the defects present an immediate risk to health and safety in accordance with Sections 12 or 13.

#### *Defects during the use phase with immediate impact on safety and health*

**Section 12** Defects remaining after completion of the inspection each pose an immediate risk to safety and health if the defects relate to what is to be checked pursuant to Section 9, points 1, 3, 4 or 5.

Defects under Section 9(2), (6), (7) or (8) may also be assessed by the inspection body as interacting and therefore posing an immediate risk to safety and health.

If defects in accordance with Section 9(2), (6), (7) or (8) remain from the previous inspection, these individually constitute an immediate risk to health and safety.

**Section 13** If the person who owns or is otherwise responsible for the device is unable to present the minutes of the last inspection to the inspection body, any defects remaining after completion of the inspection shall be considered to constitute an immediate risk to safety and health.

#### *Defects during the use phase that do not have an immediate impact on safety and health*

**Section 14** Defects other than those referred to in Sections 12 and 13 shall not be considered to be of immediate importance for safety and health.

#### **Revision inspection**

**Section 15** At the time of the audit inspection, the inspection body shall check whether the motorised device, following the change, meets the requirements for protection relating to the device as laid down in the Regulations on inspections issued on the basis of Chapter 16, Section 11 of the Swedish Planning and Building Act (2010:900).

The audit inspection shall include design and installation checks in accordance with Sections 3 and 4 to the extent necessary and be adapted to the scope and significance of the change for the requirements for protection.

*Opinion of the inspection body*

**Section 16** If the inspection shows that a device has defects, the inspection body shall, on the basis of its inspection, consider whether the defects constitute an immediate risk to safety and health. Defects shall be assessed in accordance with Sections 6 and 7.

This statute shall enter into force on 1 December 2025.

On behalf of the Swedish National Board of Housing, Building and Planning

FORENAME SURNAME

First name Last name