

# The Swedish Transport Agency's Code of Statutes



THE SWEDISH  
TRANSPORT  
AGENCY

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## **Decision amending the Swedish Transport Agency's regulations and general advice (TSFS 2021:122) on characteristics required for roads, streets, tramways and metros (building regulations);**

RAIL  
ROAD TRAFFIC

adopted on DATE YEAR.

The Swedish Transport Agency has decided<sup>1</sup> that the general advice for Chapter 7, Section 1 of the Agency's regulations and general advice (TSFS 2021:122) on characteristics required for roads, streets, tramways and metros (building regulations) shall read as follows.

### **Chapter 7**

**Section 1** Roads shall be designed in such a way that noise generated and propagated to the surroundings through use of the road does not pose an unacceptable risk to health.

#### **General advice**

*Noise from roads should be considered to pose an unacceptable health risk if it exceeds:*

- 1. an equivalent sound level of 55 dBA at the front of a residential building or premises for education or care, as an average for annual average daily traffic calculated as a free-field value (sound level without the influence of reflections from the front of the building itself but including other reflections).*
- 2. a maximum sound level of 70 dBA (time weighting F) at a designated outside space (balcony/patio) associated with the residential building, calculated for annual average daily traffic and as a free-field value. If the sound level is exceeded, this should not*

<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

*happen more than five times per hour based on average hourly traffic for the time period from 6 am to 10 pm.*

*When calculating sound levels, the calculation model used should be calibrated to Swedish conditions. The input data for the modelling should include reference speed and traffic flow over the lifetime of the road.*

*An example of an appropriate calculation model is Nord2000. Guidance on the use of the model can be found in the report 'NORD2000 - Beräkning av buller från väg- och spårtrafik för svenskt bruk – en användarhandledning' (NORD2000 – Calculation of noise from road and rail traffic for Swedish use – a user guide) (Kunskapscentrum om Buller, 2024 (Noise Knowledge Centre, 2024)).*

On behalf of the Swedish Transport Agency

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