

Fire safety in buses

The Swedish National Testing and Research Institute is carrying out a research project on fire safety in buses commissioned by the Norwegian Public Roads Administration and the Swedish Road Administration.

The aim of the project is to get more knowledge about fire safety in buses and fire properties of material used in modern buses. The aim is also that the results shall be possible to use as a basis for concrete measures and regulations to increase the fire safety of bus travelling.

The following tasks will be carried out:

- A mapping and characterisation of bus fires in Sweden and Norway.
- A characterisation of surface linings and upholstery etc. used in buses today.
- A test series will be performed regarding reaction to fire properties, such as ignitability, fire propagation, smoke production and toxicity.
- A comparison with existing testing technology will be performed.
- Studies of fire resistance of wall partitions.
- Detection and extinguishment in the engine compartment.
- Simulations of bus fires.
- Full-scale test of a bus fire.
- Proposals for modifications to regulations.

We will present some results from the project at the GRSG-meeting.
