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Transmitted by the expert from Sweden

Fire safety in buses

Fire safety in buses

Aim

The aim of the project is to get a knowledge basis about fire safety in buses and fire properties of material used in modern buses.

Commissioned and funded by

- Norwegian Public Roads Administration
- Swedish Road Administration

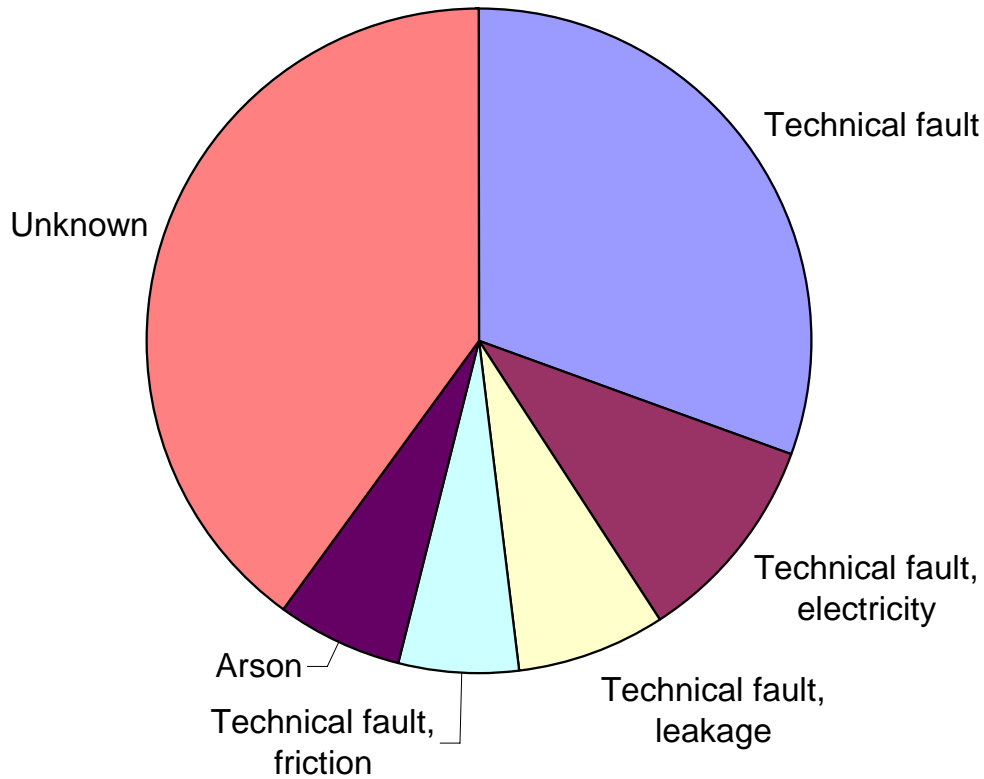
Time plan

The project runs for two years, 2005-2006

The project is divided into 8 work packages

- Survey of bus fires in Norway and Sweden
- Survey and fire tests of interior material in buses
- Bus construction risk assessment
- Fire partitions to the engine compartment
- Engine compartment – active fire protection
- Fire simulations
- Full-scale fire test
- Proposals for improvements

Cause of Fire, Sweden 1996-2004



Are matches fire safe?



ISO 3795

- Test of horizontal flame spread
- Burning rate 100 mm/minute is the main fire safety requirement for buses today



Full-scale seat fire test



Full-scale seat fire test

