

**Vägtrafikinformatik – Kollektivtransporter –  
Planerings- och styrsystem för vägfordon –  
Del 4: Allmänna tillämpningsregler för CANopen  
överföringsbussar**

**Public transport – Road vehicle scheduling  
and control systems –  
Part 4: General application rules for CANopen  
transmission buses**

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The European Standard EN 13149-4:2004 has the status of a Swedish Standard. This document contains the official English version of EN 13149-4:2004.

This standard supersedes the Swedish Standard SS-ENV 13149-4, edition 1.

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English version

**Public transport - Road vehicle scheduling and control systems -  
Part 4: General application rules for CANopen transmission  
buses**

Transports publics - Systèmes d'ordonnancement et de  
contrôles des véhicules routiers - Règles générales  
d'application des bus de transmission CANopen

Öffentlicher Verkehr - Planungs- und Steuerungssysteme  
für Straßenfahrzeuge - Teil 4: Allgemeine  
Anwendungsregeln für den CANopen Übertragungsmodus

This European Standard was approved by CEN on 21 June 2004.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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## Foreword

This document (EN 13149:2004) has been prepared by Technical Committee CEN/TC 278 "Road Transport and Traffic Telematics", the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2005, and conflicting national standards shall be withdrawn at the latest by March 2005.

This document supersedes ENV 13149-4:2002.

This document is part of the following series of standards related to road vehicle scheduling and control systems:

EN 13149-1, *Public transport - Road vehicle scheduling and control systems - Part 1: WORLDFIP definition and application rules for onboard data transmission*

EN 13149-2, *Public transport - Road vehicle scheduling and control systems - Part 2: WORLDFIP cabling specifications*

prENV 13149-3, *Public transport - Road vehicle scheduling and control systems - Part 3: WORLDFIP message content*

EN 13149-4, *Public transport - Road vehicle scheduling and control systems - Part 4: General application rules for CANopen transmission busses*

EN 13149-5, *Public transport - Road vehicle scheduling and control systems - Part 5: CANopen cabling specifications*

prCEN/TS 13149-6, *Public transport - Road vehicle scheduling and control systems - Part 6: CAN message content*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

## **EN 13149-4:2004 (E)**

### **Introduction**

This document is part 4 of EN 13149, which gives rules for on-board data transmission systems.

This part 4 together with part 5 and part 6 describes a complete solution independent from part 1, part 2 and part 3.