

Road vehicles - Ergonomic requirements for the driver's workplace in line-service buses - Part 3: Information devices and controls (ISO 16121-3:2005, IDT)

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- ISO 16121-3:2005, IDT

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Preview

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Preview

**Road vehicles — Ergonomic
requirements for the driver's workplace in
line-service buses —**

**Part 3:
Information devices and controls**

*Véhicules routiers — Exigences ergonomiques du poste de conduite
dans les bus de ville —*

Partie 3: Systèmes de contrôle et d'information



Reference number
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Foreword

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ISO 16121-3 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 13, *Ergonomics applicable to road vehicles*.

ISO 16121 consists of the following parts, under the general title *Road vehicles — Ergonomic requirements for the driver's workplace in line-service buses*.

- Part 1: *General description, basic requirements*
- Part 2: *Visibility*
- Part 3: *Information devices and controls*
- Part 4: *Cabin environment*

Introduction

Poor ergonomics in the driver's workplace in buses designed to provide scheduled urban and interurban services increase the already high physical and mental strains on the drivers.

It is the aim of this part of ISO 16121 to supply the designer of line-service buses with information about how to develop an overall ergonomic concept for the driver's workplace. The recommended requirements on the driver's workplace for line-service buses made in this part of ISO 16121 are based on the scientific conclusions of the research project "Driver's workplace in the line-service bus". This was conducted in Germany and summarized in the recommendation VDV 234 [1]. Further comprehensive ergonomic studies related to the design of an enhanced driver workplace conducted in the United States, Canada, the Netherlands, Sweden and the United Kingdom [2, 3, 4, 5, 6] have been considered and found to provide recommendations covering similar areas.

This part of ISO 16121 sets out to consider the practical implications for all ranges of driver, but particularly those with heights from 1,58 m (small female) through to 2,0 m (large male).

It is also essential that the designer refer to the specifications and requirements of all parts of ISO 16121 (1 to 4) before completing the design of a driver's workplace.

It should be noted that where there is also national legislation covering any of the subjects contained herein, then both should be complied with. However, if a contradiction between the two should arise in any specific area, then the legislation shall prevail for that specific point only.

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