

Road Transport and Traffic Telematics (RTTT) — Dedicated short-range communication — Profiles for RTTT applications

The European Standard EN 13372:2004 has the status of a
British Standard

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National foreword

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 16, an inside back cover and a back cover.

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Télématique des transports routiers - Communication à courte portée véhicule/infrastructure - Profils pour les applications de télématique routière

Straßentransport- und Verkehrstelematik (RTTT) - Nahbereichskommunikation Fahrzeug-Infrastruktur (DSRC) - DSRC-Profil für RTTT-Anwendungen

This European Standard was approved by CEN on 23 April 2004.

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Foreword

This document (EN 13372:2004) 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of an identical text or by endorsement, at the latest by January 2005, and conflicting national standards shall be withdrawn at the latest by January 2005.

This document supersedes ENV 13372:1999.

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.

Introduction

This document replaces ENV 13372. In order to facilitate migration from European Pre-standard (ENV) to European Standard, equipment procured and installed in accordance with ENV 13372 has been considered when drafting this European Standard. Operation of such equipment and procurement of additional equipment for systems based on such equipment can continue with reference to Directive 93/36/EEG Article 8 item 3c.

This document forms part of a series of European Standards defining the framework of a Dedicated Short Range Communication (DSRC) link in the Road Transport and Traffic Telematics (RTTT) environment.

The communication requirements of many RTTT applications can be fulfilled by DSRC. The DSRC Standards enable compliant communication systems to serve multiple RTTT applications in parallel.

The small service areas and severe real-time constraints require a specific protocol architecture leading to the reduced protocol stack shown in Figure 1, consisting of the Application Layer, the Data Link Layer, and the Physical Layer. Such an architecture is very common for real-time environments.

This document deals with the interlayer management of the DSRC protocol stack.

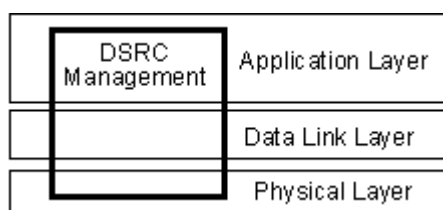


Figure 1 — DSRC protocol stack

The following set of documents for the DSRC link is issued by CEN:

EN 12253	Road transport and traffic telematics - Dedicated short-range communication - Physical layer using microwave at 5,8 GHz
EN 12795	Road transport and traffic telematics - Dedicated ShortRange Communication (DSRC) – DSRC data link layer - medium access and logical link control
EN 12834	Road transport and traffic telematics - Dedicated Short Range Communication (DSRC) – DSRC application layer
EN 13372	Road Transport and Traffic Telematics (RTTT) – Dedicated short-range communication - Profiles for RTTT applications