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Údarás um Chaighdeáin Náisiúnta na hÉireann

STANDARD RECOMMENDATION

**S.R. CLC/TS 50457-1: 2008**

ICS 43.120

**CONDUCTIVE CHARGING FOR ELECTRIC  
VEHICLES -- PART 1: D.C. CHARGING  
STATION**

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TECHNICAL SPECIFICATION  
SPÉCIFICATION TECHNIQUE  
TECHNISCHE SPEZIFIKATION

**CLC/TS 50457-1**

March 2008

ICS 43.120

Supersedes ENV 50275-2-3:1998

English version

**Conductive charging for electric vehicles -  
Part 1: D.C. charging station**

Charge conductive  
pour véhicules électriques -  
Partie 1: Borne de charge courant continu

Konduktive Ladung  
von Elektrofahrzeugen -  
Teil 1: Gleichstrom-Ladestation

This Technical Specification was approved by CENELEC on 2007-03-01.

CENELEC members are required to announce the existence of this TS in the same way as for an EN and to make the TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

This Technical Specification was prepared by the CENELEC Reporting Secretariat 69, Electric road vehicles and electric industrial trucks.

The text of the draft was submitted to vote in accordance with the Internal Regulations, Part 2, Subclause 11.3.3.3 and was approved by CENELEC as CLC/TS 50457-1 on 2007-03-01.

This Technical Specification is to be used in conjunction with EN 61851-1.

This Technical Specification supersedes ENV 50275-2-3:1998.

In the framework of the conversion of ENV 50275-2-3, Clause 2 has been updated and references to ENV 50275-1 have been replaced by references to EN 61851-1.

The following date was fixed:

- latest date by which the existence of the CLC/TS  
has to be announced at national level (doa) 2008-07-01

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## **Introduction**

This Technical Specification “Conductive charging for electric vehicles” is published in separate parts according to the following structure.

This Technical Specification covers the physical, electrical and performance requirements concerning devices for the charging system, when they are not already standardized.

Part 1: D.C. charging station.

Part 2: Communication protocol between off-board charger and electric vehicle.

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