



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50318:2002

ICS 29.280

**RAILWAY APPLICATIONS -  
CURRENT COLLECTION SYSTEMS -  
VALIDATION OF SIMULATION OF THE  
DYNAMIC INTERACTION BETWEEN  
PANTOGRAPH AND OVERHEAD CONTACT  
LINE**

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EUROPEAN STANDARD

**EN 50318**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 29.280

English version

**Railway applications -  
Current collection systems -  
Validation of simulation of the dynamic interaction  
between pantograph and overhead contact line**

Applications ferroviaires -  
Systèmes de captage de courant -  
Validation des simulations de l'interaction  
dynamique entre le pantographe  
et la caténaire

Bahnanwendungen -  
Stromabnahmesysteme -  
Validierung von Simulationssystemen  
für das dynamische Zusammenwirken  
zwischen Stromabnehmer und  
Oberleitung

This European Standard was approved by CENELEC on 2002-04-01. CENELEC 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 CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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**CENELEC**

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

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## Foreword

This European Standard was prepared by SC 9XC, Electric supply and earthing systems for public transport equipment and ancillary apparatus (fixed installations), of Technical Committee CENELEC TC 9X, Electrical and electronic applications for railways.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50318 on 2002-04-01.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2003-04-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2005-04-01

Annexes designated "normative" are part of the body of the standard.  
In this standard, annex A is normative

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and supports the Interoperability Directive, 96/48/EC.

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