SVENSK STANDARD SS-EN 50318

Fastställd	Utgåva	Sida	Ingår i
2002-12-04	1	1 (1+16)	SEK Område 9

Svenska Elektriska Kommissionen, SEK

Järnvägsanläggningar – Validering av simulering av det dynamiska samspelet mellan strömavtagare och kontaktledning

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

Som svensk standard gäller europastandarden EN 50318:2002. Den svenska standarden innehåller den officiella engelska språkversionen av EN 50318:2002.

ICS 29.280

Denna standard är fastställd av Svenska Elektriska Kommissionen, SEK,
som också kan lämna upplysningar om **sakinnehållet** i standarden.
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EUROPEAN STANDARD **EN 50318**

NORME EUROPÉENNE

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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

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

Ref. No. EN 50318:2002 E

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- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2005-04-01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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Contents

1 Scope

This European Standard specifies functional requirements for the validation of simulation methods to ensure mutual acceptance of

- input and output parameters;
- a standardized subset of test results for evaluation of simulation methods;
- comparison with measurements;
- comparison between simulation methods.

This standard applies to the current collection from an overhead contact line by pantographs mounted on railway vehicles. It does not apply to trolley bus systems.

2 Normative references

This European Standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 50206-1 Railway applications – Rolling stock – Pantographs: Characteristics and tests – Part 1: Pantographs for main line vehicles

EN 50317 Railway applications – Current collection systems – Requirements for and validation of measurements of the dynamic interaction between pantograph and overhead contact line