



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61377-3:2003

ICS 45.060

RAILWAY APPLICATIONS
ROLLING STOCK
PART 3: COMBINED TESTING OF
ALTERNATING CURRENT MOTORS, FED BY
AN INDIRECT CONVERTOR, AND THEIR
CONTROL SYSTEM
(IEC 61377-3:2002)

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Údarás um Chaighdeán Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 61377-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2002

ICS 45.060

English version

**Railway applications -
Rolling stock
Part 3: Combined testing of alternating current motors,
fed by an indirect convertor,
and their control system
(IEC 61377-3:2002)**

Applications ferroviaires - Matériel roulant
Partie 3: Essais combinés des moteurs
à courant alternatif, alimentés par
un convertisseur à deux étages,
et leur régulation
(CEI 61377-3:2002)

Bahnanwendungen - Bahnfahrzeuge
Teil 3: Kombinierte Prüfung
von Wechselstrommotoren, die von
einem Zwischenkreis-Stromumrichter
gespeist werden, und deren Steuerung
(IEC 61377-3:2002)

This European Standard was approved by CENELEC on 2002-11-01. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and 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

The text of document 9/693/FDIS, future edition 1 of IEC 61377-3, prepared by IEC TC 9, Electrical equipment and systems for railways, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61377-3 on 2002-11-01.

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) 2003-08-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2005-11-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annexes A and ZA are normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61377-3:2002 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-411	1996	International Electrotechnical Vocabulary (IEV) Chapter 411: Rotating machines	-	-
IEC 60050-551	1998	Part 551: Power electronics	-	-
IEC 60050-811	1991	Chapter 811: Electric traction	-	-
IEC 60349-2 (mod)	1993	Railway applications - Rotating electrical machines for rail and road vehicles Part 2: Electronic converter-fed alternating current motors	EN 60349-2	2001
IEC/TR2 60349-3	1995	Electric traction - Rotating electrical machines for rail and road vehicles Part 3: Determination of the total losses of convertor-fed alternating current motors by summation of the component losses	-	-
IEC 60571	1998	Electronic equipment used on rail vehicles	-	-
IEC 60850	2000	Railway applications - Supply voltages of traction systems	-	-
IEC 61287-1	1995	Power convertors installed on board rolling stock Part 1: Characteristics and test methods	-	-

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