



National Standards Authority of Ireland

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**CATHODIC PROTECTION OF BURIED OR
IMMERSED METALLIC STRUCTURES -
GENERAL PRINCIPLES AND APPLICATION
FOR PIPELINES**

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English version

**Cathodic protection of buried or immersed metallic structures -
General principles and application for pipelines**

Protection cathodique des structures métalliques enterrées
ou immergées - Principes généraux et application pour les
canalisations

Kathodischer Korrosionsschutz von metallenen Anlagen in
Böden oder Wässern - Grundlagen und Anwendung für
Rohrleitungen

This European Standard was approved by CEN on 1 December 2000

CEN 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 Management Centre or to any CEN 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 CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 219 "Cathodic protection", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by July 2001, and conflicting national standards shall be withdrawn at the latest by July 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Annex A is informative.

Introduction

This standard is applicable to the protection of all types of buried or immersed metallic structures especially pipelines. However, in order to allow for structures having specific features with regards to construction, commissioning or operation, provision has been made for complementary standards to be used in conjunction with this one to deal with the peculiarities of such structures.

Cathodic protection is a technique based on the application of electrochemical principles and covers a wide range of materials and equipment together with a variety of measurement techniques. In order to achieve effective and efficient cathodic protection, the design, installation, commissioning, inspection and maintenance should be performed by adequately trained, experienced and responsible personnel.

This standard aims to ensure effective cathodic protection and is therefore directed primarily to the above personnel.

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