

# Assessment of inadvertent ignition of flammable atmospheres by radio-frequency radiation — Guide

ICS 13.230; 33.060.20

## National foreword

This Published Document is the official English language version of CLC/TR 50427:2004. It is envisaged that PD CLC/TR 50427:2004 will eventually replace BS 6656:2002 but for a transitional period both documents will be current in order for users of the standards to familiarize themselves with the contents of the new document.

The UK participation in its preparation was entrusted by Technical Committee GEL/31, Electrical apparatus for explosive atmospheres, to Subcommittee GEL/31/-/602, Radio-frequency radiation-induced ignition and detonation, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

### Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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### Summary of pages

This document comprises a front cover, an inside front cover, the CLC/TR title page, pages 2 to 95 and a back cover.

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TECHNICAL REPORT

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English version

**Assessment of inadvertent ignition of flammable atmospheres  
by radio-frequency radiation –  
Guide**

Evaluation des risques d'inflammation  
des atmosphères inflammables  
par des rayonnements de  
radiofréquence –  
Guide

Leitfaden zur Verhinderung  
der unbeabsichtigten Zündung  
explosionsfähiger Atmosphären  
durch hochfrequente Strahlung

This Technical Report was approved by CENELEC on 2004-08-28.

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**CENELEC**

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

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