



ATEX compliance 94/9/EC

Ready to react to explosive environments

raising standards worldwide™



The ATEX Directive 94/9/EC



The potential for explosive atmospheres can be found in a wide variety of industrial locations such as mines, factories, mills, agricultural silos, oil and gas platforms, water and other chemical processing environments.

The equipment used in these environments must be able to perform safely without adversely reacting to its environment. These include:

- Equipment and protective systems for use within potentially explosive atmospheres
- Devices for use outside potentially explosive atmospheres, but which are required for, or contribute to the safe functioning of equipment and protective systems located inside such atmospheres; and components relating to the above.

There are many different types of product intended for use in such areas, including control equipment and sensors, transformers, fans, pumps, compressors, fork lift trucks, and lighting.

As a manufacturer of products intended for use in potentially explosive atmospheres, you must ensure that it will not cause an explosion during routine operation. Demonstrating compliance with the ATEX Directive 94/9/EC will provide assurance of product safety.

To sell these products in the EU it is mandatory for them to bear the Distinctive Community Mark and CE marking.

ATEX is often specified in contracts for countries outside of Europe.



Why choose BSI as your Notified Body for ATEX?

- **Experience** – BSI is one of the world's most respected and comprehensive Notified Bodies with unrivalled expertise and experience in helping its customers through these often complex processes.
- **Accessible & ready** – our dedicated ATEX team are ready and waiting to help you comply with this complex Directive
- **Speed to market** – our specialist expertise means that BSI can deliver one of the fastest speed-to-market services available giving you the advantage and head start over your competitors.
- **Access to markets** – as a global organisation, BSI can help you gain access to markets and business streams around the world through its network of over 50 global offices and 140 international markets.
- **Reputation and respect** – certification and assurance provided by a respected, independent, third-party, Notified Body that a product or service conforms to the requirements of the Directive.
- **Credibility** – BSI in partnership TRaC for the testing facility - is a highly-regarded and authoritative combination that lends credibility to any report in addition to having UKAS accreditation.
- **IECEX accreditation** – BSI's, UKAS accredited testing partner TRaC is a Certification Body and Test Laboratory listed under the IECEX scheme that aims to eliminate multiple national certification requirements. The IECEX Scheme permits TRaC to issue IECEX certification which is accepted as the basis for national approval in any of the participating countries. Customers can reduce costs and time-to-market using this service to obtain Certificates of Conformity.



TRaC - a valued partnership

In order to deliver a fast, responsive and experienced ATEX certification, BSI has partnered with TRaC (Testing Regulatory and Compliance) laboratories.

TRaC's expertise as a UKAS accredited Ex test laboratory, combined with BSI's Notified Body status for ATEX, independent certification integrity and international reputation, guarantees that the resulting service to our clients is delivered with the highest levels of confidence, recognition and reliability worldwide.

TRaC's state of the art facilities, flexible working patterns and dedicated project management provide customers with a responsive and unrivalled EX testing qualification service.





Equipment Groups and categories

Group I

Mining

Category M (1)

Mechanical equipment only

Category M (2)

Mechanical equipment only

Group II

Above ground applications

Category 1

Electrical equipment only

Category 2

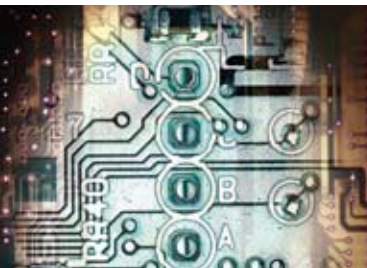
Electrical equipment only

Category 3

Electrical and mechanical equipment

Why do I need ATEX certification?

- If you manufacture a product that is to be used in a potentially explosive environment and you want to sell it in the European Union then you will need to apply the CE and Ex mark to it.
- Manufacturers who achieve and affix CE marking and the Ex mark are able to sell their equipment anywhere within the European Union.
- The Directive generally covers products such as machines, apparatus, fixed or mobile devices, control components and instrumentation, detection or prevention systems intended for the generation, transfer, storage, measurement, control and conversion of energy and/or the processing of material and which are capable of causing an explosion through their own potential sources of ignition.
- The regulations apply to all equipment intended for use in explosive atmospheres, whether electrical or mechanical, including protective systems and there are two categories of equipment (I) for mining and (II) for all above ground applications.



What is involved?

- **Gap analysis;** if you need our help at the outset, we can advise on any areas that may need attention.
- **Pre-Assessment;** if you wish to be reassured that you are ready for full assessment.
- **Type examination testing;** of the product design against the standard specification involving actual examination of a sample as well as performance tests. The results are recorded in a report.
- **Technical support;** during the certification process by some of the best trained and most competent staff available.
- **Dedicated team;** always available by email or telephone.
- **Technical Dossier storage facility;** this is the dossier that contains all the evidence to substantiate your conformity claims such as certificates, reports, manufacturer's drawings. Even for lower categories of products BSI can still help create a technical file and issue a certificate of storage.
- **Technical advice;** on interpretation and requirements of standards and Directives
- **Project management**
- **Product certification**



Explosion risk zones

Zone 0: Highest risk areas for dusts, gases and vapours

Zone 1: Primary risk areas for dusts, gases and vapours

Zone 2: Secondary risk areas for dusts, gases and vapours

Category groupings

Category 1 equipment
may be used in zones 0, 1 and 2

Category 2 equipment
may only be used in zones 1 and 2

Category 3 equipment
may only be used in zone 2



How do I get ATEX certification?

The One-Stop-Shop for Certification

BSI also offer a range of services that can help your business maximise its potential

Management system certification - independent audit to prove that an organisation's internal systems are effective and that they comply with the relevant standard

Training - business improvement training and standards based management systems

Entropy Software - improve business performance and manage risks with this management system software

Standards - development of standards relevant to your business and industry

Call: **0845 086 9000**
or visit:

www.bsigroup.co.uk

The process:

- Contact BSI to discuss your product requirements under the Directive
- Complete the BSI application form.
- BSI will prepare a quote based on the earlier discussions and the information provided
- When you are happy with the quote, sign and return to BSI
- All relevant documentation and any sample products are sent to BSI for testing
- BSI liaise with our testing partner TRaC to arrange testing. If necessary we may need to conduct a visit as well
- Once all technical and test report information has been reviewed by a BSI expert a certificate report will be issued.
- Products must be marked with the appropriate information including the CE and Ex marks plus any codes which indicate category or temperature where appropriate.

How to apply for ATEX certification

Visit www.bsigroup.com/atex to:

- download the brochure and application form
- complete the online enquiry form
- call us on 08450 765600

Contact details

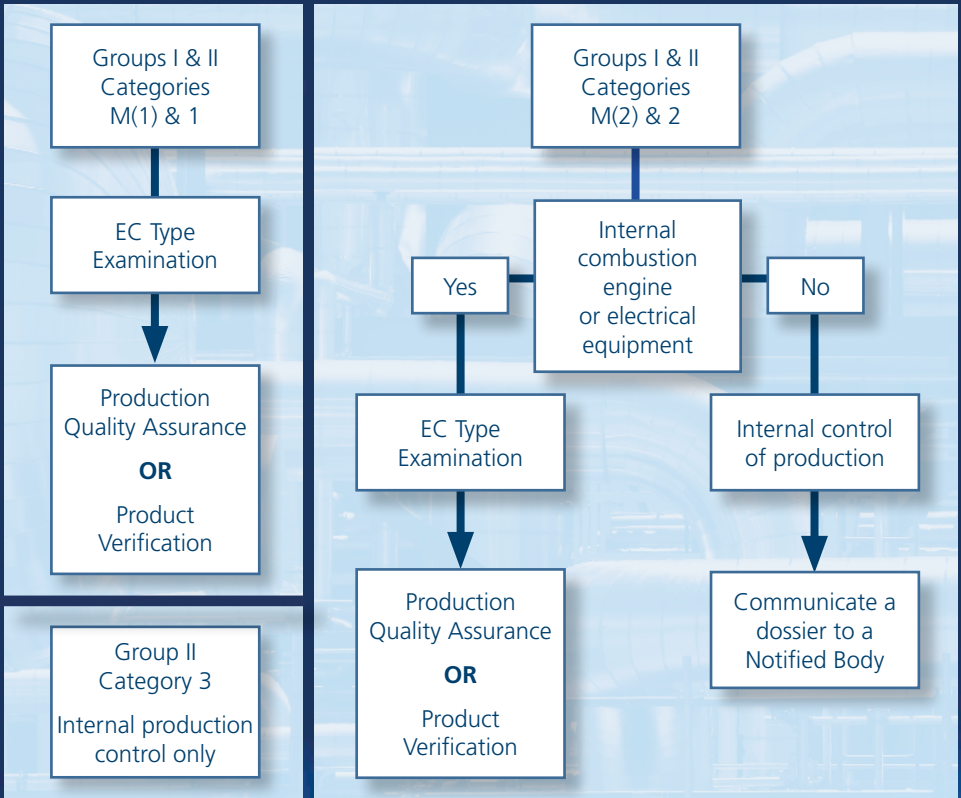
Tel: 08450 765600

Email: testing.services@bsigroup.com

Website: www.bsigroup.com/atex



Conformity assessment procedure



Further information enquiry

For more information, please detach, complete and **fax back to 08450 765603**. Alternatively, you may send an email to: testing.services@bsigroup.com ensuring you include all your contact details.

Company Name:

Address:

..... Postcode:

Tel: Fax:

Contact Name: **Job Title:**

Email*: Direct Line:

Please state the nature of your business:

I am interested in further information on ATEX Certification

*Please only provide your email address if you consent to BSI occasionally sending you emails about their products and services. You may change this consent at any time and we will not pass on your email address to anyone else.

BSI would like to use this information to keep you up to date on our products and services in the future. if you would prefer not to be contacted by telephone please tick

Call our Customer Service team on 08450 765600 or email: testing.services@bsigroup.com

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