

Examination and certification to IECEx 05 requirements

Industries and governments are continually sharpening controls on proof of personnel competencies. Rightfully so, because they are dealing with highly complex processes and equipment in potentially explosive atmospheres; a slight error can have dramatic consequences. The IECEx system has a scheme that quantifies and qualifies people's expertise and experience in explosion safety. DEKRA is one of the first certification bodies under this scheme to issue 'Certificates of Personnel Competencies' (CoPCs).



IECEx 05 certification of personnel competencies

Hazardous area classification and proper selection, installation, inspection, maintenance and repair of explosion protected equipment is critically dependent on the competence of the personnel involved. Certificates of Personnel Competencies (CoPCs) issued under the international IECEx 05 scheme enable personnel (whether employed or self-employed) to demonstrate that they have the knowledge and skills required to safely undertake specified types of work related to Ex equipment and installations.

An IECEx 05 CoPC issued by DEKRA shows that the certificate holder is capable of:

- > Working in hazardous areas safely
- > Conducting work competently
- > Ensuring that equipment is operating safely and in accordance with its protection techniques

The IECEx 05 scheme includes assessment of training, education and work experience as well as theoretical and practical exams. Personnel can be certified for one or more units of competence. A certificate is published online on the IECEx website and is valid for 5 years. Certified personnel receive a wallet card specifying the scope of their competencies.



IECEx 05 units of competency

IECEx 05 is divided into units of competency that cover most of the activities personnel may be required to perform in and around hazardous areas as part of the design, installation, commissioning, inspection and maintenance of plants. All of them are covered in the IECEx 05 certification scope of DEKRA:

- Ex 001 Apply basic principles of protection in explosive atmospheres
- Ex 002 Perform classification of hazardous areas
- Ex 003 Install explosion-protected equipment and wiring systems
- Ex 004 Maintain equipment in explosive atmospheres
- Ex 005 Overhaul and repair of explosion-protected equipment
- Ex 006 Test electrical installations in or associated with explosive atmospheres
- Ex 007 Perform visual and close inspection of electrical installations in or associated with explosive atmospheres
- Ex 008 Perform detailed inspection of electrical installations in or associated with explosive atmospheres
- Ex 009 Design electrical installations in or associated with explosive atmospheres
- Ex 010 Perform audit inspection of electrical installations in or associated with explosive atmospheres

How to get certified

To obtain the Certificate of Personnel Competence (CoPC), it is necessary to pass the applicable exams. On successful completion of the exams and assessment, we will issue the CoPC.

Your benefits

- International validity and recognition of DEKRA certificates (CoPCs)
- > Long experience in the field of explosion and process safety
- Portfolio of training courses covering ATEX, IEC and North American standards, tailored to meet your individual needs

About DEKRA

DEKRA has been active in the field of safety for more than 90 years and is one of the world's leading expert organizations in testing, inspection and certification. Our qualified and independent experts work for safety on the road, at work and at home. Among other things, they test and certify consumer, industrial, automotive and ICT products, medical devices and products used in explosive atmospheres for worldwide markets. DEKRA's mission is to be the global partner for a safe world. www.dekra-product-safety.com

Contact DEKRA ex.nl@dekra.com Tel. +31.88.96.83008 www.dekra-product-safety.com

