

IBExU Institut für Sicherheitstechnik GmbH Fuchsmühlenweg 7 09599 Freiberg Germany	Certificates of Conformity (IECEX CoC)	Identification mark
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IBExU Institut für Sicherheitstechnik GmbH issues IECEX CoC certificates in accordance with IECEX Scheme for explosion protected, electrical equipment as an authorized Certification Body as of 2007:

IBExU is designated as ExCB (Certification Body) and ExTL (Testing Laboratory) for issuing of ExTR's, QAR's and CoC's. The examining activity is a service. This applies to the following types of protection:

IEC-standard	Title
<u>60079-0</u>	General requirements
<u>60079-1</u>	Construction and verification test of flameproof enclosures of electrical apparatus
<u>60079-2</u>	Electrical apparatus, type of protection 'p' (Pressurization)
<u>60079-5</u>	Powder filling "q"
<u>60079-6</u>	Oil-immersion 'o'
<u>60079-7</u>	Increased safety 'e'
<u>60079-11</u>	Intrinsic safety 'i'
<u>60079-15</u>	Electrical apparatus with type of protection 'n' (Non-Sparking)
<u>60079-18</u>	Encapsulation 'm'
<u>60079-25</u>	Intrinsically safe systems
<u>60079-26</u>	Zone 0 Equipment
<u>60079-27</u>	Field bus intrinsically safe concept (FISCO)
<u>60079-31</u>	Equipment dust ignition protection by enclosure "t"
<u>61241-0</u>	General requirements
<u>61241-1</u>	Electrical apparatus protected by enclosures 'tD'
<u>61241-1-1</u>	Electrical apparatus protected by enclosures Section 1: Specification for apparatus
<u>61241-4</u>	Type of protection 'pD'
<u>61241-11</u>	Protection by encapsulation 'iD'
<u>61241-18</u>	Protection by encapsulation 'mD'
<u>62013-1</u>	Caplights for use in mines susceptible to firedamp – Part 1: General requirements
<u>62086-1</u>	Electrical resistance trace heating

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An ATEX-certificate plus a QS-notification is generally regarded as a basis for the issuing of an IECEx CoC (Certificate of Conformity). As long as the certificate is not accepted by international governmental agencies yet, it serves as an application document for a national certificate (Fast Track Procedure).

Necessary steps:

1. The manufacturer applies for the acceptance of an ATEX/QA-certification for IECEx or the new certification in an ATEX/IECEX parallel procedure or IECEx detailed procedure.
2. The manufacturer receives the ExTR-forms for each applied type of protection for filling out.
3. The manufacturer points to the examination already carried out and the ATEX-certificate issued for this examination. IBExU checks the deviations between the CEN- and IEC-standards. (A retest is possibly necessary.) However, a check carried out by the manufacturer can only be acknowledged in the presence of an IBExU-employee.
4. The transfer of the ATEX/QA to an IECEx CoC can be ordered with the Ex-TR-forms. The manufacturer can refer to other available documents.
5. The applicant engages an ExCB (It does not have to be IBExU mandatorily.) with the issuing of a QAR according to IECEx-OD 005 on the basis of the existing QA-notification and informs the IBExU about it (if necessary).
6. IBExU checks the documents (product series and type of protection) and asks for the period of validity of the QAR. If the validity can be proved, the IECEx CoC is issued and activated in the internet.
7. IBExU supervises the period of validity of the QAR and informs the manufacturer 3 months before the expiry of the validity. If the renewal of the QAR is not intended, the certificate is put in the status "suspended".
8. Changes or additions at the equipment require an adequate application and examination.