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| **INTERNATIONAL ELECTROTECHNICAL COMMISSION SYSTEM**  **FOR CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR**  **USE IN EXPLOSIVE ATMOSPHERES (IECEx SYSTEM)** |
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| Introduction |
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| This document, prepared by ExMC WG1, defines the details required to support an application for consideration as an Additional Testing Facility in the IECEx Equipment Scheme. |
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**For the attention of the Secretary of the IEC Ex Management Committee.**

**Application for a test laboratory to become an Accepted Additional Testing Facility in the Scheme of the IEC for Certification to Standards relating to Equipment for use in Explosive Atmospheres (IECEx Equipment Scheme)**

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(name of Applicant ATF)

makes the following application in accordance with Clause 11.3.2 and Annex C of IECEx 02, Rules of Procedure,

a) Description of the testing facility

- name of the facility

- organisation chart (use a separate page or pages)

- the relationship with the relevant ExTL

- the legal status of the facility

- the address(es) at which it carries out its operations

- the responsibilities concerning testing

the means by which the facility will demonstrate compliance with ISO/IEC 17025

- the documents available for providing supporting information, for example with regard to existing accreditation

1. a list of the standards accepted for use in the IECEx Equipment Scheme according to which the facility intends to conduct tests (tick one or more of the following IEC Standards, ISO Standards or joint ISO / IEC Standards and list the tests (with Edition of the standard and relevant clause numbers) to be performed for the related standard):

| **Number/Edition** | **Title/Clauses** |  |
| --- | --- | --- |
| 60079-0 | Explosive atmospheres -  Part 0: Equipment - General requirements |  |
| 60079-1 | Explosive atmospheres -  Part 1: Equipment protection by flameproof enclosures 'd' |  |
| 60079-2 | Explosive atmospheres -  Part 2: Equipment protection by pressurized enclosures 'p' |  |
| 60079-5 | Explosive atmospheres -  Part 5: Equipment protection by powder filling 'q' |  |
| 60079-6 | Explosive atmospheres -  Part 6: Equipment protection by liquid immersion 'o' |  |
| 60079-7 | Explosive atmospheres -  Part 7: Equipment protection by increased safety 'e' |  |
| 60079-11 | Explosive atmospheres -  Part 11: Equipment protection by intrinsic safety 'i' |  |
| 60079-13 | Explosive atmospheres –  Part 13: Equipment protection by pressurized room "p" |  |
| 60079-15 | Explosive atmospheres –  Part 15: Equipment protection by type of protection "n" |  |
| TR 60079-16 | Electrical apparatus for explosive gas atmospheres -  Part 16: Artificial ventilation for the protection of analyser (s) houses |  |
| 60079-18 | Explosive atmospheres –  Part 18: Equipment protection by encapsulation "m" |  |
| 60079-19 | Explosive atmospheres -  Part 19: Equipment repair, overhaul and reclamation |  |
| 60079-25 | Explosive atmospheres –  Part 25: Intrinsically safe electrical systems |  |
| 60079-26 | Explosive atmospheres -  Part 26: Equipment with equipment protection level (EPL) Ga |  |
| 60079-27 | Explosive atmospheres -  Part 27: Fieldbus intrinsically safe concept (FISCO) |  |
| 60079-28 | Explosive atmospheres -  Part 28: Protection of equipment and transmission systems using optical radiation |  |
| 60079-29-1 | Explosive atmospheres -  Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases |  |
| 60079-29-4 | Explosive atmospheres -  Part 29-4: Gas detectors - Performance requirements of open path detectors for flammable gases |  |
| 60079-30-1 | Explosive atmospheres -  Part 30-1: Electrical resistance trace heating - General and testing requirements |  |
| 60079-31 | Explosive atmospheres -  Part 31: Equipment dust ignition protection by enclosure "t" |  |
| 60079-33 | Part 33: Equipment protection by special protection “s” |  |
| 60079-35-1 | Explosive atmospheres –  Part 35-1: Caplights for use in mines susceptible to firedamp - General requirements - Construction and testing in relation to the risk of explosion |  |
| 61241-0 | Electrical apparatus for use in the presence of combustible dust -  Part 0: General requirements |  |
| 61241-1 | Electrical apparatus for use in the presence of combustible dust -  Part 1: Protection by enclosures 'tD' |  |
| 61241-1-1 | Electrical apparatus for use in the presence of combustible dust -  Part 1: Electrical apparatus protected by enclosures and surface temperature limitation - Specification for apparatus |  |
| 61241-4 | Electrical apparatus for use in the presence of combustible dust -  Part 4: Type of protection 'pD' |  |
| 61241-11 | Electrical apparatus for use in the presence of combustible dust -  Part 11: Protection by intrinsic safety 'iD' |  |
| 61241-18 | Electrical apparatus for use in the presence of combustible dust -  Part 18: Protection by encapsulation 'mD' |  |
| 61779-1 | Electrical apparatus for the detection and measurement of flammable gases -  Part 1: General requirements and test methods |  |
| 61779-2 | Electrical apparatus for the detection and measurement of flammable gases -  Part 2: Performance requirements for group I apparatus indicating a volume fraction up to 5% methane in air |  |
| 61779-3 | Electrical apparatus for the detection and measurement of flammable gases -  Part 3: Performance requirements for group I apparatus indicating a volume fraction up to 100% methane in air |  |
| 61779-4 | Electrical apparatus for the detection amd measurement of flammable gases -  Part 4: Performance requirements for group II apparatus indicating a volume fraction up to 100% lower explosive limit |  |
| 61779-5 | Electrical apparatus for the detection and measurement of flammable gases -  Part 5: Performance requirements for group II apparatus indicating a volume fraction up to 100% gas |  |
| 62013-1 | Cap lights for use in mines susceptible to firedamp -  Part 1: General requirements - Construction and testing in relation to the risk of explosion |  |
| 62013-2 | Cap lights for use in mines susceptible to firedamp -  Part 2: Performance and other safety-related matters |  |
| 62086-1 | Electrical apparatus for explosive gas atmospheres –  Electrical resistance trace heating – Part 1: General and testing requirements |  |
| ISO 80079-36 | Part 36: Non-electrical equipment for explosive atmospheres – Basic method and requirements |  |
| ISO 80079-37 | Part 37: Non-electrical equipment for explosive atmospheres – Non electrical type of protection constructional safety “c”, control of ignition source “b”, liquid immersion “k” |  |
| ISO / IEC 80079-38 | Part 38: Equipment and components in explosive atmospheres in underground mines |  |

c) the information required in Annex D of Publication IECEx 02 - *Rules of Procedure* use separate sheets)

d) number of test reports issued in the preceding two years for each type of protection covered by the standards listed in b)

The facility undertakes to abide by the Rules and Procedures laid down in the Publication IECEx 02.

(signature)

(name)

(role)

(date)

Enclosed ......... pages concerning the national differences declared in accordance with paragraph c).

**Application submitted by IECEx ExTL**

Name…………………

Date …………………..

Signature …………………….