Procedures of IECEx Certification

1. Introduction of IECEx

The IEC is the world leading organization that prepares and publishes International Standards for all electrical, electronic and related technologies – collectively known as "electrotechnology". The IEC also administers three global conformity assessment systems, IECEE, IECEx and IECQ, for testing, certification and approval of equipment, systems and components to its International Standards. Wherever you find electricity – from generation, transmission and distribution, through industrial automation, healthcare, transport, multimedia in the home, to the battery in your phone – you will find the World of IEC supporting the environment, safety, performance and efficiency.

IEC now has 23 member countries, including the industrial countries of Europe, America, Australia and Russia, Korea and so on. China is one of the members; the main body that joins IECEx activities is Certification and Accreditation Administration of People's Republic of China (CNCA).

Only ExCBs and ExTLs accepted by IECEx can carry out the certification of IECEx system. CQM has become authorized ExCB in 2005 and CQST wass authorized as qualified ExCB in the same year.

2. CQST Certificate of ExTL

International Electrotechnical Commission

International Electrotechnical Commission
Scheme for certification to standards for Explosive Atmospheres

CERTIFICATE OF ACCEPTANCE

IECEx Testing Laboratory

This is to certify that

Nanyang Explosion Protected Electrical Apparatus Research Institute (CNEx) / China National Quality Supervision and Test Center for Explosion Protected Electrical Products (CQST)

is an IECEx Testing Laboratory in accordance with the IECEx Scheme Rules and Procedures

Chris Agius
Secretary IECEx
6th October 2005

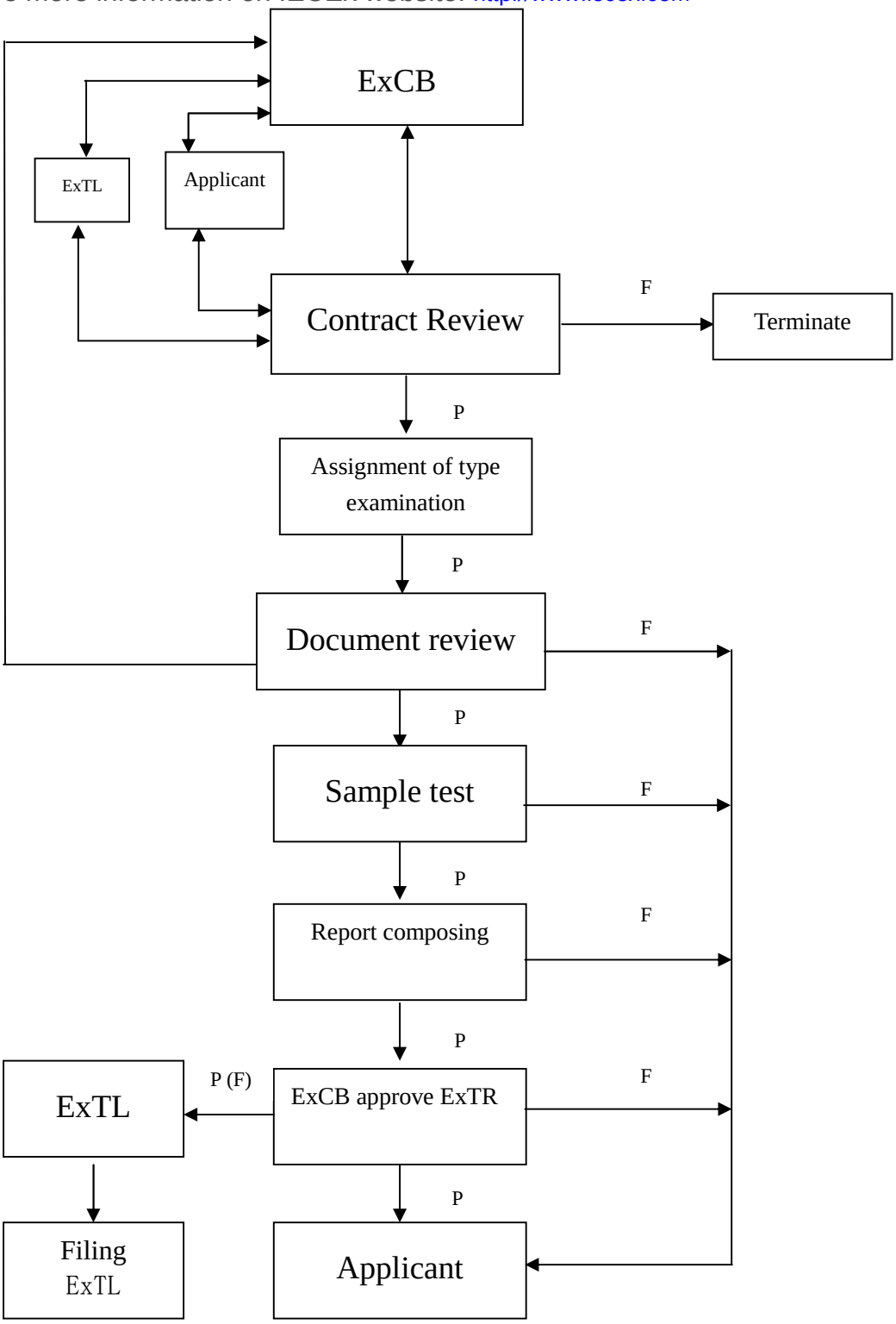
The scope and currency of this Certificate may be confirmed by visiting the IECEx Web Site at www.iecex.com

3. Authorized Scope of certification

No.	Code	Standard	Remark
1	IEC60079-0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements	
2	IEC60079-1	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosures 'd'	
3	IEC60079-2	Electrical apparatus for explosive gas atmospheres - Part 2: Pressurized enclosures 'p'	
4	IEC60079-5	Electrical apparatus for explosive gas atmospheres - Part 5: Powder filling 'q'	
5	IEC60079-6	Electrical apparatus for explosive gas atmospheres - Part 6: Oil-immersion 'o'	
6	IEC60079-7	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'	
7	IEC60079-11	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'	
8	IEC60079-15	Electrical apparatus for explosive gas atmospheres - Part 15: Construction, test and marking of type of protection 'n' electrical apparatus	
9	IEC60079-18	Electrical apparatus for explosive gas atmospheres - Part 18: Construction, test and marking of type of protection encapsulation 'm' electrical apparatus	
10	IEC61241-1-1	Electrical apparatus for use in the presence of combustible dust - Part 1: Electrical apparatus protected by enclosures and surface temperature limitation - Specification for apparatus	
11	IEC60079-30-1	Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements	
12	IEC60079-31	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure “t”	
13	IEC61241-4	Electrical apparatus for use in the presence of combustible dust - Part 4: Type of protection 'pD'	
14	IEC60079-13	Electrical apparatus for use in the presence of combustible dust - Part 13: Construction and use of rooms or buildings protected by pressurization	
15	IEC60079-16	Electrical apparatus for explosive gas atmospheres- Part 16: Artificial ventilation for the protection of analyzer(s) houses	
16	IEC60079-25	Explosive atmospheres - Part 25: Intrinsically safe systems	
17	IEC60079-27	Explosive atmospheres - Part 27: Fieldbus intrinsically safe concept (FISCO)	
18	IEC61241-11	Electrical apparatus for use in the presence of combustible dust - Part 11: Protection by intrinsic safety 'iD'	
19	IEC60079-26	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga	

4. Diagram of how to get an IECEx Certificate

See more information on IECEx website: http://www.iecex.com



Remark：P=Pass, F=Failed.