



ExAG/012/DV  
May 2022

**INTERNATIONAL ELECTROTECHNICAL COMMISSION SYSTEM FOR  
CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR USE  
IN EXPLOSIVE ATMOSPHERES (IECEX SYSTEM)**

**Title: IECEx Assessor Application, CV and ExAG Convenor & Deputy Convenor  
Review for IECEx 02 Certified Equipment Scheme for both ExCB and ExTL  
peer assessments\_ Mr. Hong ZHAO**

**To: Members of the IECEx Ex Assessment Group, ExAG**

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**Introduction**

*This document is hereby submitted for ExAG approval via correspondence using the IECEx on-line voting system. ExAG Members are requested to submit their vote via the IECEx On-line Ballot System by the closing date 2022-06-02.*

*Please also refer to the detailed review, pages 12-14 of the application including the recommendation by the ExAG Convenor and Deputy Convenor.*

*Please refer to ExAG/003/Inf for guidance on the “IECEX On-line voting system.”*

**IECEX Secretary**

<b>Address:</b>  Level 33, Australia Square 264 George Street Sydney NSW 2000 Australia	<b>Contact Details:</b>  Tel: +61 2 4628 4690 Fax: +61 2 4627 5285 e-mail: <a href="mailto:info@iecex.com">info@iecex.com</a> <a href="http://www.iecex.com">http://www.iecex.com</a>
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**IECEX F-007  
Edition 1.0**

**INTERNATIONAL ELECTROTECHNICAL COMMISSION SCHEME  
FOR CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR  
USE IN EXPLOSIVE ATMOSPHERES (IECEX SCHEME)**

**Title: IECEx Assessor Application / Reconfirmation or Additional Details  
Questionnaire Form**

**Introduction**

This document contains the details required for assessor application or re-confirmation of appointment.

Should any of the information contained in this document require amendment after submission please notify the IECEx Secretariat.

<b>Address:</b> IECEX Secretariat Level 33, Australia Square 264 George Street Sydney NSW 2000, Australia	<b>Tel: +61 2 4628 4690</b> <b>Fax: +61 2 4627 5285</b> <b>Email: <a href="mailto:info@iecex.com">info@iecex.com</a></b>
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## IECEX Assessor Application/Reconfirmation or Additional Details Questionnaire

### PERSONAL DETAILS

Name	Hong ZHAO	Title (Mr, Ms, Dr etc)	Prof.
Full address (including telephone and email)	RM628, Building 9, 103 CaoBao Road, Shanghai, 200233, P.R.China. Tel: 0086-21-64368180*305, MP:0086-13564695667 zhaohong@nepsi.org.cn		
Please indicate all ExCB(s) or ExTL(s) with which you are an employee or contract employee (ie peer assessor)	National Supervision and Inspection Centre for Explosion Protection and Safety of Instrumentation (NEPSI)		

### Availability

The availability of assessors is critical to the bodies being assessed and to the credibility of the Scheme. Your work circumstances, personal circumstances, or health issues that could affect travelling may influence this or your ability to conduct a demanding audit.

Please make a realistic assessment of your situation as follows:

Are you available to attend assessments anywhere in the world?	YES
Prior to and after assessments will you have sufficient time to respond to issues related to assessments so they can be carried out and concluded in a timely manner?	YES

### Language

The prime language of assessments is English. Hence good English skills, both written and verbal, are essential. Other languages may occasionally be used in addition. Please advise of your skills as follows:

How would you rate your English?	Everyday language		Good	×	Fair		Poor	
What other languages can you speak well?	Chinese							

### TRAINING AND EXPERIENCE

#### Auditor training on ISO/IEC 17065, ISO/IEC 17025, or ISO 9001

Clearly identify any lead assessor training

Date	Training Provider	Course Title	Duration
2020/2021	IECEX	Webinar assessor training sessions	/
2021/7/7	SAMR	Capability improvement of certification bodies management	1 day
2020/7/3	Shanghai Certification Association	ISO 17065	1 day
2019/4/10~4/	Shanghai Certification Association	National training for authorized personnel of certificate	2 days



IECEX F-007

Edition 1.0

11			body and testing laboratories		
2018/10/25~ 10/26		CNCA-CCAI	Supervisor of Testing laboratories/Inspection bodies		2 days
2017/6/7		NEPSI	Internal audit, ISO9001		1 day
2015/6/1~6/3		Beijing Guoying	Product certification basic rules		3 days
2013/3/12~3/ 15		CNCA-CCAI	ISO17025, ISO17020		4 days
2012/5/17 ~ 5/22		Tianjin Great wall certification training centre	ISO 9001		6 days
2006/10/20		NEPSI	ISO 9000		1 day



Employment or other experience for past 10 years relevant to Ex				
Dates (from/to)	Employer	Type of Business	Duties	
From July.28 <sup>th</sup> , 2003 to Now	NEPSI	Third Party Conformity Assessment (Inspection, testing and certification) and Standardization (Ex field only)	<ul style="list-style-type: none"> <li>- Testing, certification for the Ex equipments /components</li> <li>- Inspection for the mounting/type selection of Ex products in explosive hazardous areas</li> <li>- QAR/QAN/CCC factory audit</li> <li>- Standardization, research &amp; development in Ex field</li> <li>- International affairs</li> </ul>	

IECEX experience for past 5 years	
IECEX meetings attended	2017 IECEX International Conference. 2020&2021 Webinar Annual meetings including assessor training sessions.
Roles held in IECEX Scheme(s)	<ul style="list-style-type: none"> <li>- QAR auditor,</li> <li>- Organized 2020 PTB-NEPSI Proficiency test workshop at NEPSI</li> </ul>
Experience with IECEX Scheme in own country	<ul style="list-style-type: none"> <li>- Responsible for peer assessment preparation as CB/TL.</li> <li>- ExTR/QAR/CoC reviewer in CB/TL.</li> <li>- Testing, audit, and prepare ExTR, QAR and CoC.</li> <li>- Participate in IECEX proficiency testing scheme from 2011.</li> <li>- Participate in the operation of domestic committee of IECEX.</li> <li>- Take over the responsibility of TC9/SC7 (TC9 is corresponding to IEC TC31) from 2020, responsible for development and revision of Chinese Ex standards GB 3836 series, which are identical to IEC 60079 series, with respect of the type of protection.</li> </ul>
Other	Participated in setting up the office NEPSI@PTB, worked in PTB for 6 months in total, and now responsible for its daily operations.

Assessment/audit experience	Lead Auditor	Auditor	Expert
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Number of external assessments/audits carried out in past 5 years	20		38	
Number of assessments carried out for the IECEX Scheme as ExCB auditor for past 5 years	10		5	
Number of assessments carried out for the IECEX Scheme as IECEX Assessor for past 5 years (for existing assessors only)				
Number of other external assessments/audits in past 5 years relevant to assessment of <b>Ex certification bodies, Ex testing laboratories or Ex repair facilities</b>				

Please complete the attached assessor competency table



**Referees/references who may be contacted to ascertain personal attributes and management capabilities relevant to assessment of IECEX certification bodies and testing laboratories (ISO 19011: 2002 Guidelines for quality and/or environmental management systems auditing - Clause 7)**

Name	Jianping XU	Title (Mr, Ms, Dr etc)	Prof.
Address (including telephone and email)	103 CaoBao Road, Shanghai, 200233, P.R.China. 0086-13901880860 xujianping@nepsi.org.cn		

Name		Title (Mr, Ms, Dr etc)	
Address (including telephone and email)			

If appointed or re-appointed as an IECEX assessor I will conduct my work to the requisite standard of integrity, competence, impartiality, and confidentiality. I certify that the information given in this questionnaire is true and correct.

Signed:

Date: 2022-01-13

Endorsed by IECEX Member Body

On behalf of the Peoples Republic of China (country) member Body of the IECEX, I confirm that the details given in this questionnaire have been checked, found to be correct and has our support. This includes a check of the Assessor Competency Table and claimed experience/competency.

Signed:

Date: 2022-01-19

Name: Hao Xin

Organisation: Certification and Accreditation Administration of the People's Republic of China (CNCA)

NOTE: When applying, please provide a Word version of the application in addition to the signed PDF version.



**Assessor Competency Table**

Scheme/ body	Competency area		Self-assessed experience/competency level (see NOTE below for rating scale details)	Evidence, for example, work experience; membership of relevant committees or working groups; or research
IECEX Certified Equipment Scheme – IECEX 02			3	<ul style="list-style-type: none"> <li>- 18 years in Ex field.</li> <li>- Professor, Master Supervisor</li> <li>- QAR/QAN/CCC auditor</li> <li>- Executive secretary of TC9/SC7 (corresponding to TC31)</li> <li>- CNCA TC28 member</li> <li>- Member of CNCA International expert database</li> <li>- Technical books, patents &amp; papers</li> </ul>
	Ex CB	Quality systems	3	ISO9001, ISO17025/17020/17065 training, assist in the operation of QMS of CB/TL for IECEX scheme 02.
IECEX QAR		3	Since 2007, conducted more than 500 factory audits including QAR audits, QAN audits, CCC audits and FM Approvals Division Facilities and Procedures Audits.	
ExCB/ ExTL	Ex d		3	Head of Ex i department. Since 2003, carried out assessment, test, and certification of Ex products manufactured by domestic and overseas clients. Completed the testing/certification projects for hundreds of manufacturers and prepared thousands of test reports and Ex Certificates of conformity. Type of protection includes Ex i, d, e, m, p, nA, t, and non-electrical equipment, etc. The product ranges cover Ex electric appliances, instruments, motors, luminaires, and non-electrical equipments.
	Ex i		3	
	Ex p		3	
	Ex e	Motors	3	
		Luminaires	3	
		Rest of equipment covered by standard	3	
	Ex t		3	
	Optical radiation		2	
	Gas detectors		1	
	Non-electrical		1	
Are you on ExMC WG15?		Y/N	N	



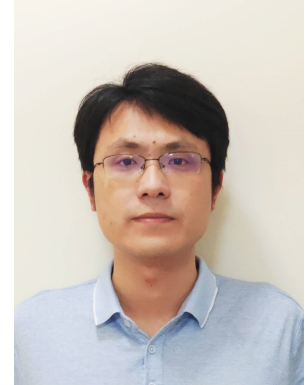


<b>IECEX Certified Service Facilities Scheme – IECEX 03</b>			2	Since 2004, conducted inspection of the Type selection and Installation of Ex products that would be put into service in hazardous areas, brought out the opinions of improvement and prepared inspection reports for some dozens of the end users in China in chemical, metallurgical, pharmaceutical industry and offshore oil & gas fields.
<b>ExCB</b>	Ex installation		3	
	Are you on ExSFC	Y/N	N	
	Ex inspection		3	
	Are you on ExSFC or ExSFC WG4?	Y/N	N	
	Ex equipment repair		0	
	Are you on ExSFC or ExSFC WG5 ?	Y/N	N	
<b>IECEX Certification of Personnel Competence Scheme – IECEX 05</b>			1	
<b>ExCB</b>	Ex personnel competencies		1	Since 2010, carried out domestic Ex training & examinations to Ex personnel competence for over 1000 persons.
	Are you on IECEX ExPCC?	Y/N	N	
<p>NOTE:  <b>RATING SCALE:</b> 0 = little or none; 1 = some; 2 = moderate; 3 = high</p>				

# Curriculum Vitae

(Updated on Jan.10<sup>th</sup>, 2022)

- Hong Zhao, born in 1981, lives in Shanghai, China.
- Company: SITIIAS/NEPSI
- Title/Position: Professor, Manager of International Affairs, Head of Intrinsic Safety Department
- Address: 103 Caobao Road, 200233, Shanghai, China
- Telephone: +86-21-64368180\*305    M.P.: +86-135-6469-5667
- E-mail: [zhaohong@nepsi.org.cn](mailto:zhaohong@nepsi.org.cn)



## EDUCATION EXPERIENCE

- In 2003, graduated from Anhui Industrial University (specializing in Measurement & Control Technology and Instruments), Bachelor's degree.
- In 2010, graduated from Shanghai Jiao Tong University (specializing in Instruments Engineering), Master's degree.

## WORKING EXPERIENCE & ACHIEVEMENT

- 28<sup>th</sup> July, 2003 to present, responsible for conformity assessment, standardization, research & development in Ex field, in SITIIAS/NEPSI.
- Since 2021, ExTR/QAR/CoC reviewer in SITIIAS/NEPSI.
  - Since 2020, took over the responsibility of TC9/SC7 (TC9 is corresponding to IEC TC31), responsible for development and revision of Chinese Ex standards GB 3836 series, which are identical to IEC 60079 series, with respect of the type of protection.
  - Since 2019, as CCC inspector, performed Ex CCC factory inspections.
  - Since 2018, as IECEx auditor of NEPSI, conducted IECEx QAR audits.
  - Since 2015, participated in setting up the office NEPSI@PTB, worked at PTB for 6 months in total, and now responsible for the daily operations of the office.
  - 2013-2018, authorized by SAMR to conduct national industrial product manufacture licenses

factory audits.

- Since 2011, participated in IECEx proficiency testing scheme.
- Since 2009, entrusted by SIRA/FTZU/INERIS/CQM/FM to perform IECEx/ATEX QAR/QAN audits in Asia area.
- Since 2007, entrusted by FM Approvals Ltd to conduct Approvals Division Facilities and Procedures Audits in China and Japan.
- Since 2005, assisted domestic and Asian manufacturers in getting the ATEX certificates and IECEx certificates.
- Since 2004, conducted inspection of the Type selection and Installation of Ex products that would be put into service in hazardous areas, brought out the opinions of improvement and prepared inspection reports for some dozens of the end users in China, such as SINOPEC, CNOOC, Dow Corning, 3M, BASF etc.
- Since 2003, appointed as Ex testing/certification engineer, carried out assessment, test, and certification of Ex products manufactured by domestic and overseas clients. Completed the testing/certification projects for hundreds of manufacturers and prepared thousands of test reports and Ex Certificates of conformity. Type of protection includes Ex i, d, e, m, p, nA, t, and non-electrical equipment, etc.

## **TRAINING EXPERIENCE**

- 2020&2021 IECEx Webinar Annual meetings including assessor training sessions.
- ISO 17025/17020/17065 training
- Requirements of CCC product certification inspector
- Requirements of Chinese voluntary product certification inspector
- Requirements of scheme for certified service facilities
- CB/TL internal auditor trained by CCAI
- Requirements of ISO/IEC 80079-34 and ATEX directive 2014/34/EU
- FM Approvals Division Facilities and Procedures Audit
- Quality Management System ISO 9000 / ISO9001
- Rules/ODs of IECEx system
- Relevant requirements of IECEx standards, ExTR and CoC, translation of format of ExTR.

## IECEx Assessor Applicants 2022 - for voting including recommendation

Country	Assessor	Application				Contact Details	Capabilities and languages additional to English	IECEx Assessment experience		Active with IECEx
		PDF?	Signed by member body	Machine readable version?	CV			Any?	In last 5 years	Meetings
Peoples Republic of China (CN)	Prof Hong ZHAO	Yes	Yes. But not signed by applicant. This was subsequently rectified.	Yes	Yes	103 Caobao Road, 200233 Shanghai, China TEL: +86-21-64368180*305 Mobile: +86-135-6469-5667 E-mail : zhaohong@nepsi.org.cn	Chinese - native	Yes as QAR auditor and lead auditor	QARs 10 total lead auditor, QARs 5 total as auditor	2017 IECEx Int Conference - Shanghai 2020 & 2021 Webinar Annual meetings including assessor training (verified by Sec)

¿?	For those with current experience		Course on 17065, 17025 or 9001?	Knowledge and/or experience in Ex	Recent knowledge of the IECEx Scheme
	Suitable?	Available?			
<b>Other</b> QAR auditor, Organised 2020 PTB NEPSI Proficiency Testing workshop NEPSI Relevant duties include: - Responsible for peer assessment preparation as a ExCB/TL. - ExTR/QAR/CoC reviewer in CB/TL. - Testing, audit, and prepare ExTR, QAR and CoC. - Participate in IECEx proficiency testing scheme from 2011. - Participate in the operation of domestic committee of IECEx. - Take over the responsibility of TC9/SC7 (TC9 is corresponding to IEC TC31) from 2020, responsible for development and revision of Chinese Ex standards GB 3836 series, which are identical to IEC 60079 series, with respect of the type of protection.	Yes	Yes	Yes ISO 17065 1 day course ISO 9001 internal audit 1 day course ISO 17025 and ISO 17020 4 day course ISO 9001 6 day course	Industry Ex experience from 2003. Duties include Testing, Certification for Ex Equip/Comp, Inspection installation Ex products in HA. QAR/QAN/CCC factory audit. Standardization, research & Development in Ex Field International affairs. Participated in setting up the office NEPSI@PTB, worked in PTB for 6 months in total, and now responsible for its daily operations.	Yes Through involvement in NEPSI and attendance at IECEx meetings

Experience in auditing	Good command of English	Attended Assessor Review Day?	Confirmation from National member body	Notes	Recommendation
Yes 20 times as lead auditor and 38 as Auditor	English claimed as good.	Yes 2020 and 2021 Webinar annual IECEx Assessor Training (verified Sec)	Yes	<p>Hong ZHAO has extensive experience with IECEx certification, testing, auditing, installation and inspection. He has a self-declared high level of competency for all explosion protection techniques with the exception of non-electrical.</p> <p>NEPSI is not an ExCB for IECEx 03, he is not participating in any WGs and it appears that his inspection and installation knowledge may be limited to China requirements. We propose holding off on IECEx 03 until more IECEx experience occurs.</p>	<p>That Prof Hong ZHAO be accepted as an IECEx assessor in the IECEx02 <i>Certified Equipment Scheme</i> for both ExCB and ExTL assessments.</p> <p>Based on the competency declaration provided with the application, it is recommended that he be assigned the following capabilities on the IECEx website: C, THC, TLC and QA.</p>