



ExAG/010/DV  
November 2021

**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  
assessments\_ Mr. KANG, JEONG IL**

**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 2021-12-17.***

***Please also refer to the detailed review, pages 11-13 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 Assessor Application/Reconfirmation or Additional Details Questionnaire

### PERSONAL DETAILS

Name	KANG, JEONG IL	Title (Mr, Ms, Dr etc)	Senior Manager
Full address (including telephone and email)	400, Jongga-ro, Jung-gu, Ulsan, 44429, Republic of Korea TEL: +82-52-703-0452 Mobile: +82-10-5202-6309 E-mail : lobbin@kosha.or.kr		
Please indicate all ExCB(s) or ExTL(s) with which you are an employee or contract employee (ie peer assessor)	ExCB, ExTL		

### 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?	Korean – native speaker							

### 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
2020/12/11		Lloyd's Register	ISO 45001:2018 Lead Auditor	5 days
2017/11/29		Lloyd's Register	ISO 9001:2015 Lead Auditor	5 days
2019/04/09		KOTICA	KS C ISO/IEC 17025:2017	5 hours
2013/03/22		KOTICA	KS C ISO/IEC 17025:2006	5 days



Employment or other experience for past 10 years relevant to Ex				
Dates (from/to)	Employer	Type of Business	Duties	
2013 to current	KOSHA	ExCB, ExTL	-Certification & Testing for Ex Products. -Secretary of Korea TC31 Mirror Committee. -Revision of KS C IEC 60079 Series. -Korea Delegate of IEC TC31 and IECEX. -Advise user and manufacturers for Ex products and guide their technical approach. -Technical interpretation of gap between Korea regulation and IEC standards	

IECEX experience for past 5 years	
IECEX meetings attended	IECEX GM 2014, 2015, 2016, 2017, 2018 and 2020(via Zoom)
Roles held in IECEX Scheme(s)	Delegator(2014~2017, 2020, 5times), Head of Delegators(2018 Cannes)
Experience with IECEX Scheme in own country	Not yet, but Hosted IEC 82th IEC TC31 at Pusan
Other	

Assessment/audit experience	Lead Auditor	Auditor	Expert
Number of external assessments/audits carried out in past 5 years	13 times According with Korea Regulation for Ex	15 times According with Korea Regulation for Ex	



	manufacturers		manufacturers		
Number of assessments carried out for the IECEX Scheme as ExCB auditor for past 5 years					
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>			2 times		

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	Min, Yeong-seung	Title (Mr, Ms, Dr etc)	Director of Ex Technology Centre
Address (including telephone and email)	26-gil, 87, Digital-ro, Guro-gu, Seoul, KOREA +82-2-860-1540 / <a href="mailto:mys@kti.re.kr">mys@kti.re.kr</a>		

Name	Shim, Seong Hun	Title (Mr, Ms, Dr etc)	Manager
Address (including telephone and email)	1390 Wonjung-ro, Maengdong-myeon, Eumseong-gun, Chungcheongbuk-do, KOREA +82-043-750-1576 / <a href="mailto:shsim@kgs.or.kr">shsim@kgs.or.kr</a>		

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:

2021/08/10

Endorsed by IECEX Member Body

On behalf of the Republic of Korea (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: 12 August 2021

Name: Sanghoon Lee

Organisation: Korean Agency for Technology and Standards

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
<b>IECEX Certified Equipment Scheme – IECEX 02</b>				
Ex CB	Quality systems		3	Work experience as auditor more than 5 years Perform Audit for Siemens S.A.S, Siemens AG etc.
	IECEX QAR		3	According to Korea Regulation, Review IECEX QAR of manufacturers(BARTEC GmbH, ABB Inc etc.
ExCB/ ExTL	Ex d		3	Within Past 5 years, Tested and issued KCs Certificate for Ex d equipment(18 model) Renovate KOSHA Test Laboratory for Ex d as new design
	Ex i		2	Within Past 5 years, reviewed Test reports and issued KCs Certificate for Ex i equipment(over 50 model) Participate PTB Proficiency programme for Ex i
	Ex p		3	Within Past 5 years, Tested and issued KCs Certificate for Ex p equipment(5 model)
	Ex e	Motors	3	Within Past 5 years, Tested and issued KCs Certificate for Ex e motors(4 model)
		Luminaires	3	Within Past 5 years, Tested and issued KCs Certificate for Ex e Luminaires(4 model)
		Rest of equipment covered by standard	3	Within Past 5 years, Tested and issued KCs Certificate for Ex e Junction Boxes(4 model)
	Ex t		3	Within Past 5 years, Tested and issued KCs Certificate for Ex t Boxes(6 model)
	Optical radiation		3	Within Past 5 years, review Test Reports and



			issued KCs Certificate for Ex op is(3 model), tested & issued KCs Certificate(1 model)
	Gas detectors		N
	Non-electrical		3
	Are you on ExMC WG15?	Y/N	N
<b>IECEX Certified Service Facilities Scheme – IECEX 03</b>			
ExCB	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		3
	Are you on ExSFC or ExSFC WG5 ?	Y/N	N
<b>IECEX Certification of Personnel Competence Scheme – IECEX 05</b>			
ExCB	Ex personnel competencies		2
	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

**Name:** KANG, JEONG IL

**Date of birth:** 04.09.1971

**Contact Details:**

**Address:** 400, Jongga-ro, Jung-gu, Ulsan, 44429, Republic of Korea

**Contact No's:** Tel: +82-52-703-0452

Mobile: +82-10-5202-6309 / E-mail: lobbin@kosha.or.kr

**Employer Detail:**

**Employer:** Korea Occupational Safety and Health Agency (KOSHA)

**Position:** Senior Manager of Ex team

**Education:**

- 03.1990 ~ 02.1977 Inha Technical College, Korea  
Associate degree of Aircraft Mechanical Design Engineering  
(4 years and 6months Military service at Korea Air Force as NDT technical sergeant)
- 03.2009 ~ 02.2011 Korea Soongsil Cyber University, Korea  
Bachelor's degree of Business Administration



### Professional training:

- |   |                         |                                |
|---|-------------------------|--------------------------------|
| ○ ISO 45001:2018 Lead Auditor                                   | 07.12.2020 ~ 11.12.2020 | (5 days)                       |
| ○ KS C ISO/IEC 17025:2017(Maintenance Education)                | 09.04.2019              | (5 hours)                      |
| ○ ISO 9001:2015 Lead Auditor                                    | 05.11.2017 ~ 29.11.2017 | (5 days)                       |
| ○ Ex workshop at PTB 2017 “type of protection intrinsic safety” | 10.2017                 | (3 days)                       |
| ○ PTB Ex PT Workshops 2016                                      | 30.05.2013 ~ 02.06.2016 | (4 days)                       |
| ○ KS C ISO/IEC 17025:2006                                       | 18.03.2013 ~ 22.03.2013 | (5 days)                       |
| ○ Measurement of Uncertainty                                    | 27.03.2013 ~ 29.03.2013 | (3 days)                       |
| ○ Achieved IECEx 05 - Unit of Competence Ex 001                 | 25.07.2019              |                                |
| ○ Korea Licensed as Professional Machine Safety                 | 01.06.2009              | (Issued date, status current ) |
| ○ ASNT NDT Level III(Eddy current)                              | 03.2003 ~ 03.2013       |                                |

### Participate in IECEx Scheme meeting

- IECEx 2020 annual meetings via Zoom
- IECEx 2018 annual meetings in Cannes, FR
- IECEx 2017 annual meetings in Washington DC, USA
- IECEx 2016 annual meetings in Umhlanga, ZA
- IECEx 2015 annual meetings in Christchurch, NZ
- IECEx 2014 annual meetings in Hague, NL

Working Experience:

■ **KOSHA (Korea Occupational Safety and Health Agency)**

Mar.2005 ~ Present

○ **Position**

- Sep.2017 ~ Present : Senior Manager
- Oct.2009 ~ Sep.2017 : Manager
- Mar.2005 ~ Sep.2009 : Safety Engineer

○ **Duties(current)**

- Certification & Testing for Ex Products.
- Secretary of Korea TC31 Mirror Committee.
- Revision of KS C IEC 60079 Series.
- Korea Delegate of IEC TC31 and IECEX.
- Advise user and manufacturers for Ex products and guide their technical approach.
- Technical interpretation of gap between Korea regulation and IEC standards
- Assess manufacturers for their Ex products quality system

■ **NAWOO Tech(former company)**

Jan.2001 ~ Feb.2005

○ **Position** : Senior Manager

○ **Duties**

- Developing Eddy current Sensors
- Trainer for Eddy current inspection and data signal analysis

## IECEX Assessor Applicants 2021

Country	Assessor	Application				Contact Details	Capabilities and languages additional to English	IECEX Assessment experience		Active with IECEX Meetings
		PDF?	Signed by member body	Machine readable version?	CV			Any?	In last 5 years	
Republic of Korea (KR)	JEONG IL KANG	Yes	Yes	Yes	Yes	400, Jongga-ro, Jung-gu, Ulsan, 44429, Republic of Korea TEL: +82-52-703-0452 Mobile: +82-10-5202-6309 E-mail : lobbin@kosha.or.kr	Korean – native speaker	Yes With KOSHA an ExCB and ExTL since 2005.	Yes Regular attendance at IECEX annual meetings.	Has attended IECEX every IECEX meeting from 2014 with exception of 2019. Attended 2020 (remote) and 2021 (remote). Secretariat verified from attendance list back to 2017 confirming attendance.

κ?	For those with current experience				
Other	Suitable?	Available?	Course on 17065, 17025 or 9001?	Knowledge and/or experience in Ex	Recent knowledge of the IECEx Scheme
Relevant duties include: -Certification & Testing for Ex Products. -Secretary of Korea TC31 Mirror Committee. -Revision of KS C IEC 60079 Series. -Korea Delegate of IEC TC31 and IECEx. -Advise user and manufacturers for Ex products and guide their technical approach. -Technical interpretation of gap between Korea regulation and IEC standards	Yes	Yes	ISO 45001:2018 Lead Auditor - 5 days ISO 9001:2015 Lead Auditor - 5 days KS C ISO/IEC 17025:2017 - 5 hours KS C ISO/IEC 17025:2006 - 5 days	Involved in IECEx02 certification and testing body for 16 years, more recently as senior manager.	Yes Through involvement in KOSHA and attendance at IECEx meetings

<b>Experience in auditing</b>	<b>Good command of English</b>	<b>Attended Assessor Review Day?</b>	<b>Confirmation from National member body</b>	<b>Notes</b>	<b>Recommendation</b>
<p>13 times as lead auditor: According with Korea Regulation for Ex</p> <p>15 times as auditor: According with Korea Regulation for Ex</p> <p>Two assessments have been relevant to IECEX.</p>	<p>Yes</p> <p>Claims good English.</p>	<p>Attended in 2021.</p>	<p>Yes</p>	<p>JEONG IL KANG has not had the benefit of being involved in IECEX working groups but has been attention a few annual meetings. He has spent significant time in an ExCB/ExTL (KOSHA). He appears to be active in relevant standards work on the Korean national committee. He has had a good range of assessor training in relevant standards.</p>	<p>That JEONG IL KANG 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. But noting that he does not claim as high a competency for intrinsic safety as for other techniques.</p> <p>He appears well qualified for non-electrical, but he is not a member of ExMC WG15 and KOSHA does not have those standards in their scope.</p>