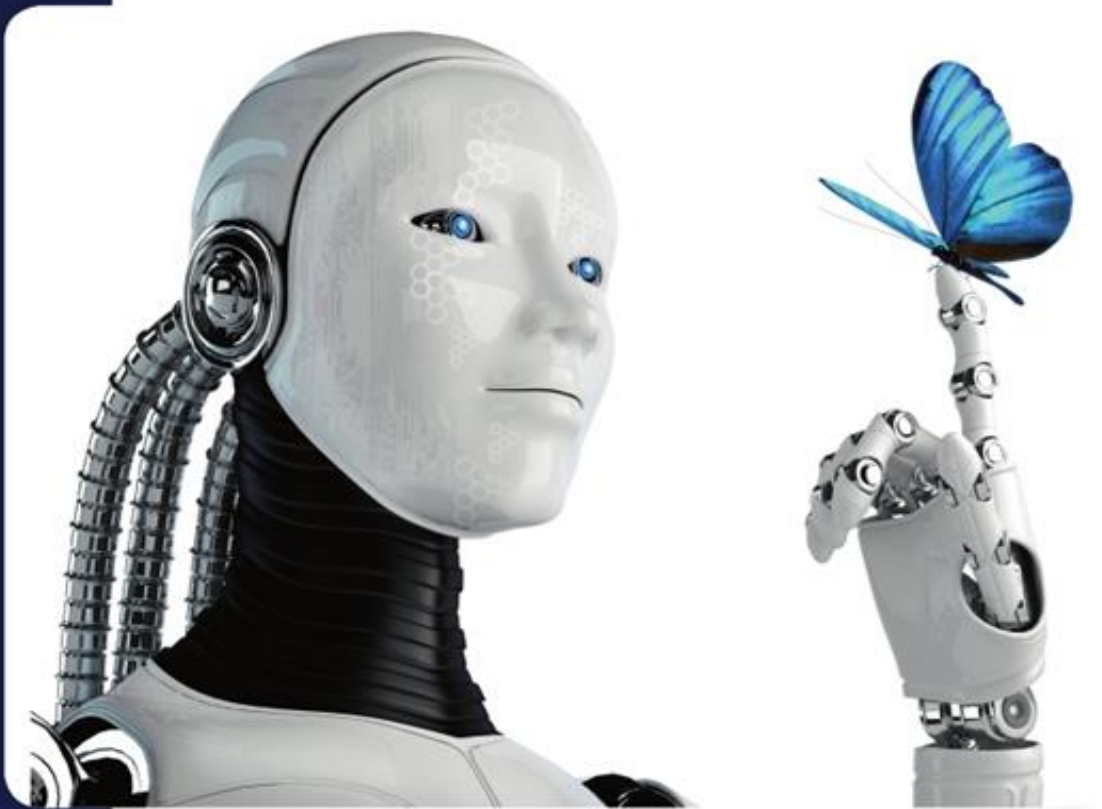


Newsletter August, 2023



ICR



Hot Issue

1. Completed registration of IECEx ExTL
2. ICR Polska became a member of Team NB
3. Serious Accident Punishment Act and ISO 45001:2018
4. Safety requirements to repurpose used EV lithium batteries
5. Revision of Machinery Directive
6. RRA Notification No. 2023-13

Partial revision of attached Table 1 of the public notice on the suitability evaluation of broadcasting and communication equipment, etc



Completed registration of IECEx ExTL





■ ICR has completed the final registration of the ExTL.

ICR has completed the evaluation according to the IECEx Scheme and the final registration of ExTL was completed according to the voting results of 36 countries.

■ ICR is able to issue IECEx & ATEX test reports and certificates.

With the registration of ExTL, **ICR is now able to issue both IECEx & ATEX test reports and certificates** and we're going to provide better services to our customers.

Organisation	Associated Bodies	Scope
<p>REPUBLIC OF KOREA ICR Co Ltd ICRK</p>  <p>Type: EXTL</p> <p>Contact: Mr. Dae-Song Yang</p> <p>113, 112, Hwanggeum 3-ro 7beon-gil. Yangchon-eup, Gimpo-si, Gyeonggi-do, Republic of Korea REPUBLIC OF KOREA</p> <p>+82 2 6351 9002 Email</p>	<p>Associated ExCBs: ICR Polska Sp. z o.o. - POLAND</p>	<p>IEC 60079-0: Part 0: Equipment - General requirements IEC 60079-1: Part 1: Equipment protection by flameproof enclosures 'd' IEC 60079-11: Part 11: Equipment protection by intrinsic safety 'i' IEC 60079-18: Part 18: Equipment protection by encapsulation "m" IEC 60079-31: Part 31: Equipment dust ignition protection by enclosure 't'</p> 

Completed registration of IECEX ExTL



Certificat of Acceptance of IECEX ExTL



Certificate of Acceptance

IECEX Testing Laboratory, ExTL

This is to certify that

International Certification Registrar Co., Ltd (ICR)

is an Accepted IECEX Testing Laboratory, ExTL, in accordance with the
IECEX System Rules and Procedures.

Geneva, Switzerland, June 2023



A handwritten signature in blue ink, appearing to read 'C. Agius'.

Chris Agius
Executive Secretary IECEX

Completed registration of IECEX ExTL



■ Application structure and Equipments

- ▶ Flameproof enclosure – Ex “d” IEC 60079-1 Edition 7.0
 - Motor, Actuator, Indicator, Transmitter, Gas Detector, Luminaires
- ▶ Intrinsic safety – Ex “i” IEC 60079-11 Edition 6.0
 - Sensor, Mobile device, Oxygen Analyzer
- ▶ Encapsulation– Ex “m” IEC 60079-18 Edition 4.0
 - Solenoid valve, Power supply device
- ▶ Dust ignition protection by enclosure - Ex “t” IEC 60079-31 Edition 3.0
 - Gas Detector, Pressure Transmitter, Solenoid Valve

Completed registration of IECEX ExTL



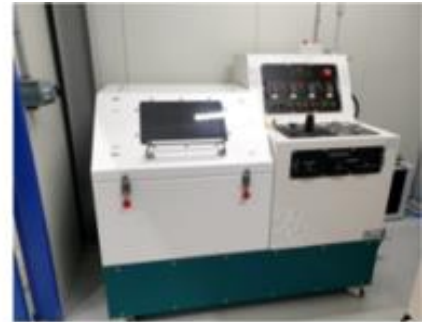
ICR's Ex Testing Facilities



Ex Test Building



Ex "d" Test Chamber



Overpressure test device



MESG Tester



Spark Ignition Tester



Thermal Endurance Chamber

Inquiries

Industrial Safety Center / Yang, Dae-Song
T.070-5083-2658 / yds@icrqa.com

ICR Polska became a member of Team NB



TEAM NB The European Association for Medical devices of Notified Bodies

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Members in designation process

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www.eurofins.fr

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RISE
RISE Medical Notified Body AB
Country : SW
www.ri.se/sv/mnb

TÜV SÜD
TÜV SÜD Denmark ApS
Country : DE
www.tuvsud.dk

- On June 2023, **ICR Polska Co., Ltd.** has formally been approved as **member of European Association for Medical devices of Notified Bodies – Team NB.**

<https://www.team-nb.org/members/>

- **TEAM -NB**, The European Association Medical devices of Notified Bodies is an AISBL (international not for profit association) has been formed on 2001 and presently association has 42 members, that represent 20 different countries.

ICR Polska became a member of Team NB



■ Among main aims of being a member of Team NB are:

- 1) Demonstrate commitment of Team NB members in improving Public Safety in relation to medical devices,
- 2) Support the implementation of Interim Action in relation to ensuring continued public safety in relation to medical devices,
- 3) Support and participate in the finalization of the new Regulations,
- 4) Improve stakeholder perception and understanding of the work of responsible Notified Bodies,

■ Thanks to being a member of Team NB, ICR Polska representative will be able to follow current exchange of experience process between other NB's, that will help to built own internal policy and high standards of certification.

 **Inquiries**

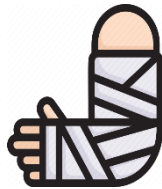
ICR Polska / Rafal Kalinowski

T. 22 115 70 62 / icrpolska@icrpolska.com

Serious Accident Punishment Act and ISO 45001:2018

■ What is the Serious Accident Punishment Act?

A bill prescribing punishment for business owners, managers, and public officials who caused casualties in violation of safety and health measures while operating workplaces, public facilities, and public transportation or handling raw materials and products harmful to the human body.



prevention of serious accidents

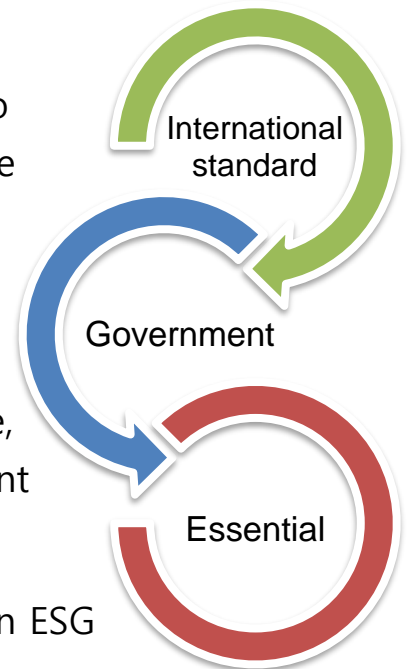
punishment and civil protection

■ The need for ISO 45001 certification

The safety and health management system is an international standard that enables companies to systematically improve by paying attention to the conditions and behaviors of workplaces, such as occupational health and safety management.

If the safety and health management system is not established at the construction company site, it is considered essential as it is a serious accident violation.

In addition, it is more effective by participating in ESG social responsibility as a required certification when registering as a construction company partner.





Serious Accident Punishment Act and ISO 45001:2018

- The government establishes and strengthens an organization dedicated to safety affairs in public institutions

With the enactment/implementation of the Serious Accident Punishment Act, major domestic companies and institutions are strengthening their safety and health management policies.

In addition, in the management evaluation of public institutions we are pushing to raise the allocation of 'safety' indicators.





Serious Accident Punishment Act and ISO 45001:2018

■ Strengthen requirements based on changed policies

▶ ISO 45001 certification reduces the risk of serious accident penalties

Major companies and institutions are increasingly interested in safety and health management as they provide important benefits to prevent industrial accidents.

▶ Requires ISO 45001 certificate as a bidding condition for construction companies

Safety and health capability evaluation items and materials are required to be submitted.

This is because it can be recognized as one of the items to evaluate whether subcontractors participating in the bidding are willing to have and maintain the safety and health capabilities.

▶ ISO 45001 certificate is required and additional points are given as a condition for public company delivery and construction bidding.

In addition to the requirements, additional points are given so that companies that maintain ISO 45001 certification have an advantage in delivery and successful bidding. If you are planning to bid, it is advantageous to obtain ISO 45001 certification.

Serious Accident Punishment Act and ISO 45001:2018



[Dongyang]

The certificate award ceremony



[Sun&L Interior]

The certificate award ceremony

■ ICR, carry out of ISO 45001 certification

ISO 45001 is a certification that has recently attracted attention due to the implementation of the 'Serious Accident Punishment Act'.

Our ICR has a number of auditors with a lot of experience in screening the safety and health management system.

Professional auditors promise certification procedures that can be of practical help to the management of the company.

Inquiries

System Certification Div. / Lee, Jae-Min
T. 070-5083-2612 / lee2750@icrqa.com

Safety requirements to repurpose used EV lithium batteries



■ SATS Notice No. 2023-0114

The government is planning to exempt various waste regulations, prepares a safety inspection system for reuse, and prepares a system regarding the battery after using the electric vehicles to register and manage batteries.

- Accordingly, the Electrical Appliances and Consumer Products Safety Control Act was revised, and the KC safety inspection system for reuse of battery and enterprise support plans will be enforced from October of this year.

- **Notification: SATS Notice No. 2023-0114**

- **Administration: Electrical appliance safety standard
KC 10031 enactment (draft)**

■ Specific notification

1. Enactment

Reuse of Battery Safety Inspection System

* Amendment(10.18.2022) and Enforcement (10.19.2023)

Safety requirements to repurpose used EV lithium batteries



2. Main contents

- A. (General requirements) Requirements for preprocessing such as handling and storage of reuse of batteries, and information about storage and disassembly
- B. (Quality and performance requirements) Pre-inspection (3 items) and electrical inspection (5 items)
- C. (Functional safety review) overcharge voltage/current test, and overheat control test for BMS

* Reference: Safety requirements for ESS batteries
(KC 62619 Section 8)

■ ICR can carry out 5 electrical test and 3 functional safety test.

If you want to conduct pre-test for these test items before getting KC mark, please feel free to contact our Battery Testing Center.

 **Inquiries**

Battery Testing Center / Yang, Chul-Ho
T. 02-6351-9003 / yangch@icrqa.com

Revision of Machinery Directive



■ Machinery Directive → Regulation

On June 29, 2023, news was posted in the EU Official Journal that Machinery Directive 2006/42/EC was amended to **Regulation (EU) 2023/1230**.

- The existing **DIRECTIVE** has been changed to **REGULATION** and has been revised to a stricter level due to legalities.

Regulation (EU) 2023/1230 is **mandatory from 14 January 2027**.

■ Key Changes

1. Information about the previous Directive Annex IV (high-risk machine) is available in **Regulation Annex I**.
2. Instruction **can accommodate digital forms**, not paper forms.



☎ Inquiries

Industrial Safety Center / Park, Hyun-Jun
T.070-5083-2625 / phj@icrqa.com

Partial revision of attached Table 1 of the public notice on the suitability evaluation of broadcasting and communication equipment, etc



National Radio Research Agency Notification No. 2023-13

「Notification on the Designation and Management of Testing Institutions for Broadcasting and Communication Equipment」

(National Radio Research Agency Notice No. 2023-6, April 18, 2023)
was amended due to the revision of other laws.

June 30, 2023

Director of the National Radio Research Agency

■ Reasons for revision

Revised due to partial revision of electromagnetic compatibility criteria.

■ Equipment to be measured

1. Mobile means for electric motors:

wireless power transmission equipment of 200 W or less

2. For electric vehicles :

Wireless power transmission equipment of 11 kW or less

Partial revision of attached Table 1 of the public notice on the suitability evaluation of broadcasting and communication equipment, etc



■ Main contents

1. Partial revision of electromagnetic compatibility standards
(No. 2023-13)
2. Partial revision of electromagnetic wave strength measurement
standards (No. 2023-11)
3. Partial revision of notification of equipment subject to
measurement of electromagnetic wave strength and
electromagnetic wave absorption rate (No. 2023-12)
4. New Electric Vehicle Wireless Power Transmission Equipment
(Equipment Code: ISM51)
5. New electric equipment for electric bicycles and means of
transportation Wireless power transmission equipment
(Equipment code: ISM52)
6. New Item Test Item Classification

Partial revision of attached Table 1 of the public notice on the suitability evaluation of broadcasting and communication equipment, etc



▶ Test Field

- (1) Electromagnetic compatibility / Test Item: 301-5 KS C 9811
(Industrial, scientific, medical devices / Electric vehicle
wireless power transmission device)
- (2) Electromagnetic strength / Test Item: 607 Wireless power
transmission equipment (electric vehicles, electric bicycles,
and Electric equipment for transportation)

 **Inquiries**

EMC&RF Test Center / Son, Min-Gi
T. 070-5081-0023 / thsalsrl@icrqa.com