







Hot Issue

- 1. Completed registration of IECEx ExTL
- 2. MOU with NCC of Brazil
- 3. KOLAS KR Standard update and renewal review
- 4. Operational status of battery cycler
- 5. HLS (High Level Structure)
- 6. RRA Notification No. 2023-48

Administrative notice of partial revision
(proposal) of notification on conformity
assessment of broadcasting and communication
equipments, 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
REPUBLIC OF KOREA ICR Co Ltd ICRK Type: EXTL Contact: Mr. Dae-Song Yang	Associated ExCBs: ICR Polska Sp. z o.o POLAND	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'
113, 112, Hwanggeum 3-ro 7beon-gil. Yangchon-eup, Gimpo- si, Gyeonggi-do, Republic of Korea REPUBLIC OF KOREA		
L +82 2 6351 9002		

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 Buliding



Ex "d" Test Chamber



Overpressure test device



MESG Tester



Spark Ignition Tester



Thermal Endurance Chamber

T Inquiries

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

MOU with NCC of Brazil







- ICR Polska, the Polish branch of ICR, and NCC of Brazil signed a agreement for mutual agreement for factory audit of Ex manufacturer on June 2023.
- NCC (NCC Certificaçõ es do Brasil Ltda.),
 established in 1975, provides certification services for electrical
 and electronic products in various fields, including Ex products,
 and is an INMETRO certification Body required in Brazil and
 South America.
- Through this agreement, ICR will provide better certification service to clients who want to enter the Brazilian and South American markets.

T Inquiries

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

KOLAS KR Standard update and renewal review



■ ICR KOLAS certification authority completed registration of updated standard of KR_2019 → KR_2022 standard, and on 23.06.02, from Korean Register.

The renewal review has been completed.

- Scope: Electrical Testing and Vibration Testing



KOLAS KR Standard update and renewal review



As a designated testing agency for Korean Register, ICR is responsible for the public confidence in test quality. We have been recognized and strengthened customer service once again.

T Inquiries

Mobility Center/ Im, Dae-Hyun T. 070-5083-7908 / terry.im@icrqa.com

Operational status of battery cycler



- ICR Battery Testing Center installed additional 12 channels of battery module cycler in April, and all channels has been operating with new project since May. ICR Battery Testing Center has battery cycler as follows.
 - 1) Pack/System(ESS) 1,500 V, 1,000 A, 2Ch (parallel: 2,000 A)
 - 2) Pack/System(EV) 1,000 V, 500 A, 2Ch (parallel: 1,000 A)
 - 3) Module 200 V, 500 A, 20Ch (parallel: Max. 2,000 A)
 - **4) Cell** 6 V, 100 A, 30Ch (parallel: Max. 1,200 A)
- We can conduct not only general charge/discharge tests but also evaluations linked to chamber + CAN communication + chiller.

ICR Battery performance testing room



<Battery pack/system>

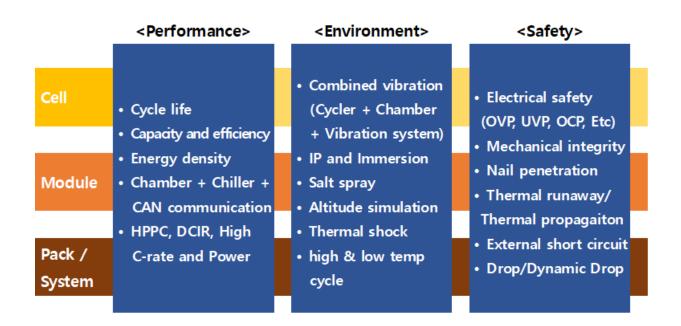


<Battery module>

Operational status of battery cycler



■ ICR Ltd. is capable of testing at all battery levels in performance/environmental/safety evaluation.



■ If you have any inquiry about battery testing and certification service as well as Performance, Environment and Safety, please feel free to contact our Battery Testing Center.

T Inquiries

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

HLS(High Level Structure)



■ What is HLS(High Level Structure)?

ISO's HLS (High Level Structure) is a framework for unifying the structure of standard documents established by the International Organization for Standardization (ISO). HLS is applied in various standards such as ISO's management system standards ISO 9001, ISO 14001, and ISO 45001.

HLS was introduced to easily integrate and manage various management system standards. This allows organizations to build an integrated management system that is more efficient than implementing and maintaining multiple standards separately. This saves money and time, and helps enforce consistency and compatibility within the organization.

HLS(High Level Structure)



■ The advantages of HLS

- 1. Consistency: Consistent structure and terminology across standards can be used to build a consistent approach within an organization.
- 2. Compatibility: You can easily integrate various standards to manage your management system. It helps organizations reduce the cost and time required to comply with and manage multiple standards simultaneously.
- **3. Efficiency**: HLS allows organizations to simplify the process of integrating and managing standards.

HLS(High Level Structure)



■ Effects of HLS introduction

With the introduction of HLS, companies can increase efficiency by integrating management systems and reducing duplication. For example, processes and functions such as leadership, planning, performance, performance evaluation and improvement can be managed in a single framework.

Businesses will have a consistent approach within their organization to improve efficiency and effectiveness. In addition, by increasing the consistency and compatibility of the management system, it can enhance the organization's continuous improvement and regulatory compliance.

The introduction of HLS is successfully being carried out in various organizations for standards compliance and management system integration, which has a positive effect on improving the efficiency and quality of business activities.

T Inquiries

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

Administrative notice of partial revision (proposal) of notification on conformity assessment of broadcasting and communication equipment, etc.



National Radio Research Agency Notification No. 2023-48

In revising a part of the 「Announcement on the Designation and Management of Test Institutions for Broadcasting and Communications Equipment, etc.」 (National Radio Research Agency Notice No. 2023-4, March 6, 2023), to inform the public in advance and collect opinions, the purpose and main In accordance with the provisions of Article 46 of the 「Administrative Procedure Act」, the contents are announced as follows.

June 8, 2023 Director of the National Radio Research Agency

■ 1. Reasons for revision

Clarification of the meaning of qualification requirements for testing personnel, expansion of on-site inspection exemption when designation changes are made, preparation of grounds for security measures to prevent forgery and falsification of test reports, etc. 「Broadcasting Communication Part of the notification」 on the designation and management of testing institutions such as equipment is intended to be revised as follows.

Administrative notice of partial revision (proposal) of notification on conformity assessment of broadcasting and communication equipment, etc.



2. Main contents

- **A.** Reinforcement of examination qualification requirements (clear meaning) (Article 5)
- Clearly stipulate the meaning of the relevant provisions to conform to the current designation system
- **B.** Extension of on-site inspection exemption when designation changes (Articles 6 and 8)
- Improvements to simplify the review process by expanding and operating the on-site review exemption when testing institution designation changes
- **C.** Preparation of grounds for security measures to prevent forgery and falsification of test reports (Article 13)
- Establishment of grounds for taking hologram and electronic security measures at designated test institutes to prevent forgery and falsification accidents when issuing test reports
- D. Current review period (Article 26)
- Due to the arrival of the deadline for reexamination of this notification, the base year is current (2020 → 2024)

 Table 1 Inquiries

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