

Newsletter

February, 2023



ICR



Hot Issue

1. ISO 45001 OH&S management system
2. Regulation (EU) 2016/631
3. KS R 1204
4. Radio Equipment Conformity Assessment
Test Method (KS X 3123) Major Revisions



ISO 45001 OH&S management system



■ About OH&S management system

ISO 45001 enables organizations to improve their health and safety performance to prevent worker injuries and diseases associated with their work and to provide a safe and healthy workspace.

ISO 45001 safety and health management system provides a basic framework for managing safety and health risks, prevents injuries and diseases of workers, which are the intended results of the safety and health management system, and provides a safe and healthy work (work) space. , therefore, aims to eliminate and minimize health and safety risks by enabling organizations to take effective preventive and protective measures.

■ Effect of the ISO 45001 introduction

- 1) Quantitative assessment of corporate risks arising from a occupational health and safety perspective and place them under the control of the CEO.

ISO 45001 OH&S management system



- 2) Therefore, workplace health and safety management can be effectively managed, and the risk of accidents and work losses can be reduced, thereby contributing to the reduction of accident compensation, productivity and quality improvement, and improvement of worker welfare.
- 3) After discovering new risks, you can put in place a process to manage and respond to them.
- 4) By introducing ISO 45001, managers can demonstrate to stakeholders their willingness to reduce risk.

■ ICR_ISO 45001 certification work

ICR has been recognized by **the Korea Accreditation Support Center** (KOREA ACCREDITATION BOARD, **KAB**) as an organization that meets the eligibility standards for safety and health management system certification bodies. Relevant certificates can be found on the ICR website.

ICR website(<http://www.icrqa.com>)

ISO 45001 OH&S management system



■ ICR_ISO 45001 Recent Trends

The Act on the Punishment of Major Disasters has been enforced, and many inquiries have been received for ISO 45001 safety and health management system certification. Companies in various industries are reviewing the introduction of safety and health management systems.

An increasing number of companies are seeking ISO 45001 certification not only in the construction and manufacturing industries, but also in the entertainment and hotel operation related service industries.

ISO 45001 OH&S management system



■ Major companies that recently obtained ISO 45001 certification

PARADISE SEGASAMMY CO., LTD., YG ENTERTAINMENT,
JW LIFESCIENCE CORPORATION, JW PHARMACEUTICAL
CORPORATION, and GOLFZON CO., LTD.



[PARADISE CITY Certification Ceremony]



[YG ENTERTAINMENT Certification Ceremony]

ISO 45001 OH&S management system



■ Goals of the ICR System Certification Division

- 1) ICR continuously monitors domestic trends in the manufacturing sector as well as the service sector in the safety and health management system.
- 2) ICR has a number of professional auditors with a lot of experience in various industries for the safety and health management system.
- 3) We promise that professional auditors will proceed with certification procedures that can be of practical help to business management, rather than certification that companies have to formally prepare and consume time.

 **Inquiries**

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Regulation (EU) 2016/631



■ On 17th May 2016, **the Commission Regulation (EU) 2016/631** establishing the network code specifying the requirements for the grid connection of power generation facilities, namely synchronous power generation modules, power park modules and offshore power park modules, to the interconnected system entered into force.

☎ Inquiries

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KS R 1204

- **KS R 1204** is **the performance requirements** about Secondary lithium-ion traction battery packs and systems assembled with cells which has energy density of 350 Wh/L or higher, **for electric buses** regarding medium and large common vehicle.

Batteries	Performance requirements	Essential/Option
Cell	Energy density per unit volume	Essential
Pack or System	Capacity at RT	Essential
	Power and internal resistance	Essential
	Capacity at different temperatures and discharge rates	Option
	No load SOC loss	Option
	SOC loss at storage	Option
	Cycle life test	Option

- Energy density of cell should be calculated according to KS C IEC 62660-1 and evaluate if its energy density is over 350 Wh/L.
- Packs and systems must be designed to allow 1.25 C discharge and 1.0 C charge in order to perform the essential test items.

KS R 1204

- In accordance with the MOE's 「Regulations for evaluation for the subjects to supply of electric vehicles」, a **KS R 1204 test report** about Secondary lithium-ion traction battery packs and systems **for electric buses is one of essential documents for subsidy.**

Vehicle category	Passenger capacity	Length	Width	Height
Small common vehicle	≤ 15 Passengers	≤ 4.7 m	≤ 1.7 m	≤ 2.0 m
Medium common vehicle	16 ~ 35 Passengers	Length, Width or Height > Small Length < 9 m		
Large common vehicle	≥ 36 Passengers	Length, Width and Height > Small Length ≥ 9 m		

- If you have any inquiry about **battery testing and certification service** as well as KS R 1204, please feel free to **contact our Battery Testing Center.**

 **Inquiries**

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Radio Equipment Conformity Assessment Test Method (KS X 3123) Major Revisions



- 1. Annex B (Regulations) Classification of application of conformity assessment by target equipment (related to 5.4)
- Due to technological development, the effect of humidity conditions is small, and major countries such as the US and Europe are also easing environmental conditions tests.
 - Humidity conditions such as wireless LAN Verification that there is no effect on the measurement results before and after approval.
 - Wireless facilities for living radio stations, Reference [2] Among the devices specified in 'Article 25 Subparagraph 4' of the 'Enforcement Decree of the Radio Waves Act', wireless devices with electric field strength, magnetic field strength, and radiated power , wireless equipment for specific low-power radio stations, wireless equipment for RFID/USN, cordless telephones, ultra-wideband (UWB) wireless equipment, equipment for unspecified purpose wireless equipment, implantable wireless medical devices, wireless equipment for object detection sensors Devices of TVWS, wireless devices for data communication, wireless devices for level measurement radar, and devices for intelligent traffic system wireless equipment Humidity conditions deleted.

Radio Equipment Conformity Assessment Test Method (KS X 3123) Major Revisions



■ 2. Annex L (Regulation) Electric field strength and magnetic field strength Wireless device test method

- Revision of test method so that special purpose devices such as ground search radar can be tested according to the main use condition.

Currently : Fixed machines can only be performed on one axis that is normally used)

Revision : However, in the case of equipment that is used fixedly or fired to a specific place such as the ground, the maximum value can be measured in normal use.)

■ 3. Annex M (Regulation) Test method for each item of conformity assessment of wireless equipment for intelligent transportation system

- Classification of technical standards by frequency band (LTE-V2X/WAVE-DSRC) in the current integrated technical standards
- Addition of LTE-V2X test method and unnecessary emission intensity in out-of-band area according to the revision of technical standards, etc.

Radio Equipment Conformity Assessment Test Method (KS X 3123) Major Revisions



■ 4. Annex O (Regulation) Test method for each item of conformity assessment of UWB wireless devices

- Revision of test method according to revision of technical standards for expansion of used frequency band to expand application of UWB technology to smartphones.

Currently : f) "Mobile station transmitter of wireless equipment for mobile communication" supporting the UWB method in the 7737 MHz ~ 8236.8 MHz band has a self-confirmation letter for the firmware to which MCC (Mobile Country Code) is applied, and the transmission of the UWB device is stopped within 10 seconds. A test report proving the function and a "manufacturer's oath" for Article 10 Paragraph 1 Item 2 of "Technical Standards for Radio Equipment for Radio Stations That Can Be Established Without Reporting" are submitted and confirmed.

Revision : f) Devices that fall under Article 10 Paragraph 1 Subparagraph 7 of the Technical Standards are verified by receiving the "manufacturer's report or pledge".

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