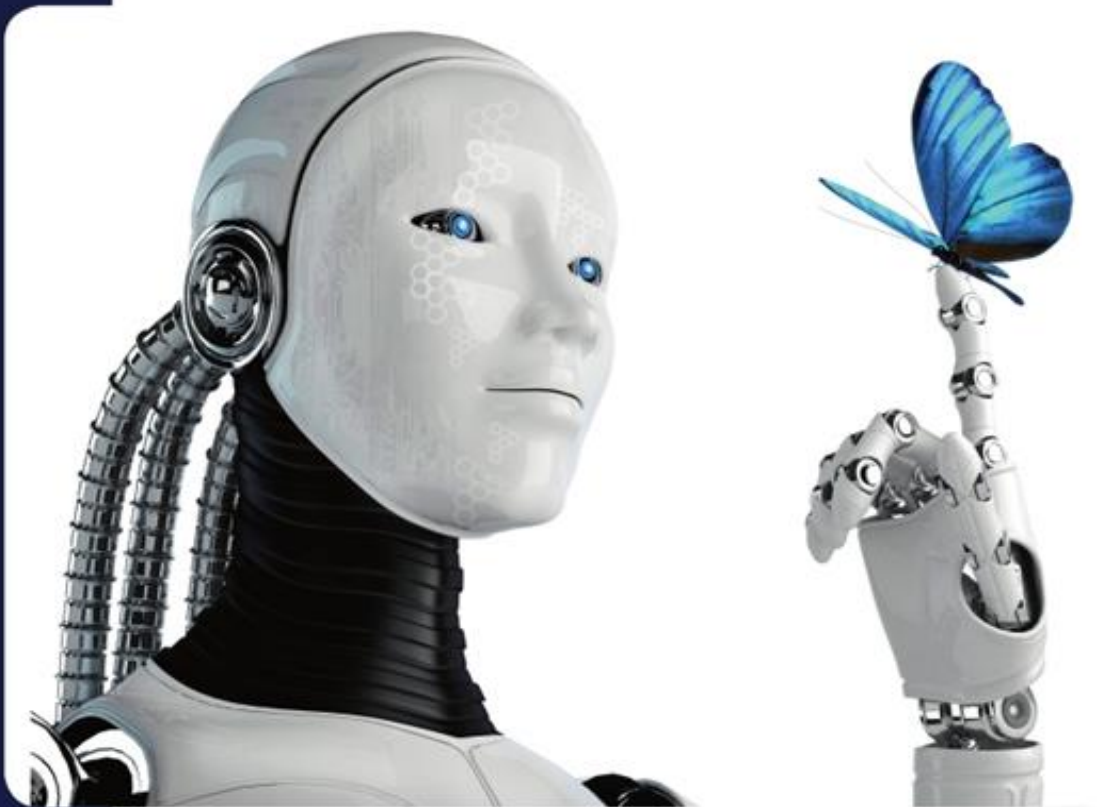


Newsletter November, 2023



ICR



Hot Issue

1. Amendment of the Enforcement Decree of the Occupational Safety and Health Act
2. Radio Announcement Changes and Announcements



Amendment of the Enforcement Decree of the Occupational Safety and Health Act



- The Occupational Safety and Health Act Enforcement Decree, which was partially amended and promulgated on June 27, 2023, has been implemented with the amended content **starting from September 28, 2023.**

- Article 8(2) of the existing Occupational Safety and Health Act Enforcement Decree has been amended to include the **「Chemical Substances Control Act」** in order to confirm and prevent risks associated with the use of chemicals in advance.

- **Main Amendment Contents**
 1. Chemical Substance Confirmation Information in accordance with Article 9(1) of the **「Chemical Substances Control Act」**
 2. Identify the substances falling under each of the following categories for the chemicals in use and employ appropriate protective measures to prevent associated risks.

Amendment of the Enforcement Decree of the Occupational Safety and Health Act



- 1) Existing chemicals Substances under Article 2(3) of the 「Chemical Substances Registration and Evaluation Act」
 - 2) New chemicals Substances under Article 2(4) of the 「Chemical Substances Registration and Evaluation Act」
 - 3) Toxic Substances
 - 4) Substances subject to permission
 - 5) Restricted Substances
 - 6) Prohibited Substances
 - 7) Substances requiring preparation for accidents
- Manufacturers handling chemical substances must create "**Chemical Substance Safety Information**" to prevent accidents and hazards associated with the handling of chemical Substances in their equipment and facilities.



Ministry of Government Legislation
KOREAN LAW INFORMATION CENTER

Amendment of the Enforcement Decree of the Occupational Safety and Health Act



■ At ICR, evaluations of semiconductor equipment using chemical substances can be conducted in accordance with SEMI standards and the Occupational Safety and Health Act.

■ Important standards of SEMI

Important standards of SEMI

SEMI S2 - Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment

SEMI S6 - Environmental, Health, and Safety Guideline for Exhaust Ventilation of Semiconductor Manufacturing Equipment

SEMI S8 - Safety Guideline for Ergonomics Engineering of Semiconductor Manufacturing Equipment

SEMI S10 - Safety Guideline for Risk Assessment and Risk Evaluation Process

SEMI S14 - Safety Guidelines for Fire Risk Assessment and Mitigation for Semiconductor Manufacturing Equipment

SEMI S22 - Safety Guideline for the Electrical Design of Semiconductor Manufacturing Equipment

SEMI S23 - Guide for Conservation of Energy, Utilities and Materials Used by Semiconductor Manufacturing Equipment

SEMI S28 - Safety Guideline for Robots and Load Ports Intended for Use in Semiconductor Manufacturing Equipment

SEMI E78 - Guide to Assess and Control Electrostatic Discharge (ESD) and Electrostatic Attraction (ESA) for Equipment

 **Inquiries**

Industrial Safety Center / Yeo, Seok-Gwang

T.070-5083-2629 / sky@icrqa.com

Radio Announcement Changes and Announcements



■ Revised test method for conformity assessment of wireless facilities (KSX 3123)

▶ Main contents of the revision of the test method

Revised the method of testing a simple radio station radio with 422 MHz, 423 MHz, 444 MHz frequencies of up, down, and down frequencies of each band three times, to a single band and a total of three tests (KSX 3123 5.7.c)

▶ KS X 3123 5.7.c Amendment proposal

Devices for simple radio stations using single transmission and receiver in the 400 MHz band (general use) are tested at 422 MHz (lowest frequency), 423 MHz (medium frequency), and 444 MHz (best frequency).

Radio Announcement Changes and Announcements



■ Technical standards for wireless stations that can be opened without reporting

-Annex 4, paragraph 3 -

- ▶ Digital narrowband and ultra narrowband living radio stations in 424 MHz and 448 MHz bands are considered certified if only one of the 424 MHz and 448 MHz bands is certified because of the same technical standards (output, radio format, antenna supply power, etc.) and products.

Therefore, if only one of the 424 MHz and 448 MHz bands is tested and certified, the rest of the bands are considered certified.

- Described in Technical Standards

- ▶ However, when testing both the 424 MHz band and the 448 MHz band for conformity certification, it is not allowed to combine the two bands into one band by setting the test frequency to F1:424.13750, F2:448.75000, and F3:448.92500.

 **Inquiries**

EMC&RF Testing Center / Son, Min-Gi
T. 070-5083-2627 / thsalsrl@icrqa.com