

8월호

2026

NEWS LETTER

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[Product Certification](#)

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INTERNATIONAL CERTIFICATION REGISTRAR

오늘보다 나은
내일을 만들어 가는 기업



Hot Issue

- 1. ICR Secures Official IAS Accreditation for ISO/IEC 27001**
- 2. Online Courses for ISO Auditor Competency Enhancement**
- 3. ISO/IEC 27001: The Global Standar for Business Risk Management**
- 4. Revision of 7 Electrical Equipment Safety Standards**
- 5. EN ISO 13855:2024
Update to the Safety Distance Calculation
Formula for Protective Devices**

ICR Secures Official IAS Accreditation for ISO/IEC 27001



■ Official IAS Accreditation Announcement

ICR has officially achieved accreditation for **ISO/IEC 27001 Information Security Management Systems (ISMS)** from the International Accreditation Service (IAS), a globally recognized accreditation body based in the United States.

ICR Secures Official IAS Accreditation for ISO/IEC 27001



■ Strategic Significance of IAS Accreditation

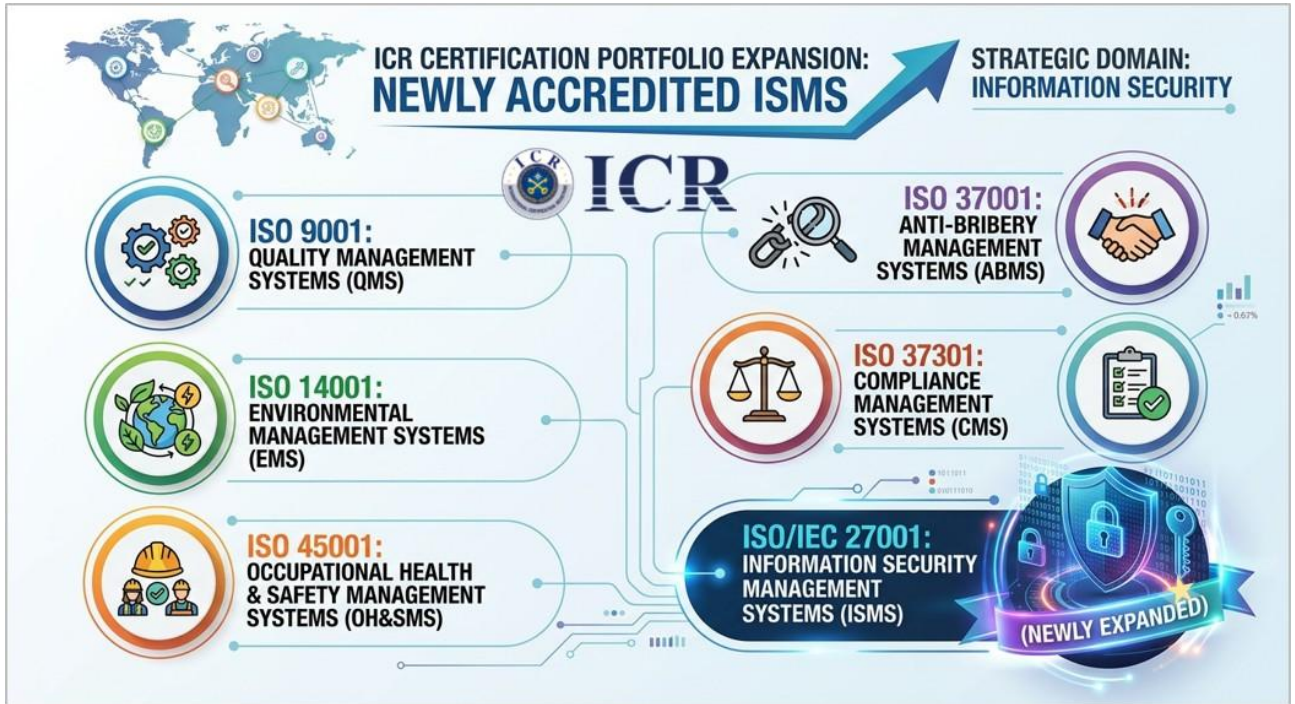
Securing official accreditation following rigorous evaluation by IAS validates that ICR operates its ISO/IEC 27001:2022 audit practices, certification decisions, auditor qualification management, and overall operational framework in full compliance with international standards.

With this milestone, **ICR** cements its standing as a fully qualified **ISO/IEC 27001 certification body**, delivering professional, highly credible, and globally recognized certification services across international markets.

Value Proposition of ISO/IEC 27001 Certification

Information Security Management System and obtaining certification allows organizations to systematically manage cybersecurity risks, reinforce data protection protocols, and secure global competitiveness along with heightened market trust. !

ICR Secures Official IAS Accreditation for ISO/IEC 27001



■ ICR Accredited Management System Scopes

- **ISO 9001:** Quality Management Systems (QMS)
- **ISO 14001:** Environmental Management Systems (EMS)
- **ISO 45001:** Occupational Health & Safety Management Systems (OH&SMS)
- **ISO 37001:** Anti-Bribery Management Systems (ABMS)
- **ISO 37301:** Compliance Management Systems (CMS)
- **ISO/IEC 27001:** Information Security Management Systems (ISMS)

(Newly Expanded)

☎ Inquiries

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Online Courses for ISO Auditor Competency Enhancement



■ ICR Remote Lifelong Education Center Opens Enrollment for Core ISO Curriculum

ICR Remote Lifelong Education Center is pleased to announce the launch of its specialized **online training curriculum, 「 ISO Auditor Competency Enhancement Series 」** and is now accepting enrollments.

Featuring flexible online learning, automated progress management, and digital certificate issuance upon completion, this course offers an ideal learning solution for busy working professionals and certified auditors.

Developed entirely in-house by certified ISO lead instructors, the practical curriculum reflects the latest international standards and real-world audit insights. We invite **ISO Lead Auditors, Internal Auditors, and Candidate Auditors** to take advantage of this flexible **e-learning program** (accessible via PC and mobile) to elevate their professional auditing capabilities.

Online Courses for ISO Auditor Competency Enhancement



■ Key Curriculum Highlights

1 ISO 9001:2026 (QMS) Amendments

- ❖ **Course Overview:** An essential course covering the background, key revisions, and operational impacts of the ISO 9001:2026 amendments. Designed to prepare auditors and quality managers for upcoming system transitions and certification audits.
- ❖ **Duration:** 4 Sessions (2 Hours Total)

2 ISO 45001:2018 (OH&SMS) Practical Implementation

- ❖ **Course Overview:** A practical guide to building, operating, and auditing OH&SMS frameworks. Focuses on risk assessment methodology, legal compliance, accident prevention, and hands-on operational management.
- ❖ **Duration:** 16 Sessions (8 Hours Total)

3 ISO 14001:2015 (EMS) Practical Implementation

- ❖ **Course Overview:** Designed to enhance operational capability across the full EMS lifecycle—from fundamental principles and documentation to operational control, internal auditing, and corrective action planning.
- ❖ **Duration:** 16 Sessions (8 Hours Total)

Online Courses for ISO Auditor Competency Enhancement



■ Course Registration & Inquiries

Applications can be submitted online **via the official website** of ICR Remote Lifelong Education Center.

- Website: www.icrpw.com
- Telephone: **02-6351-9006**
- Consultation Hours: Weekdays 09:00~18:00
(Lunch Break 12:00~13:00)



☎ Inquiries

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ISO/IEC 27001: The Global Standard for Business Risk Management



■ Data Breaches Are No Longer Someone Else's Problem

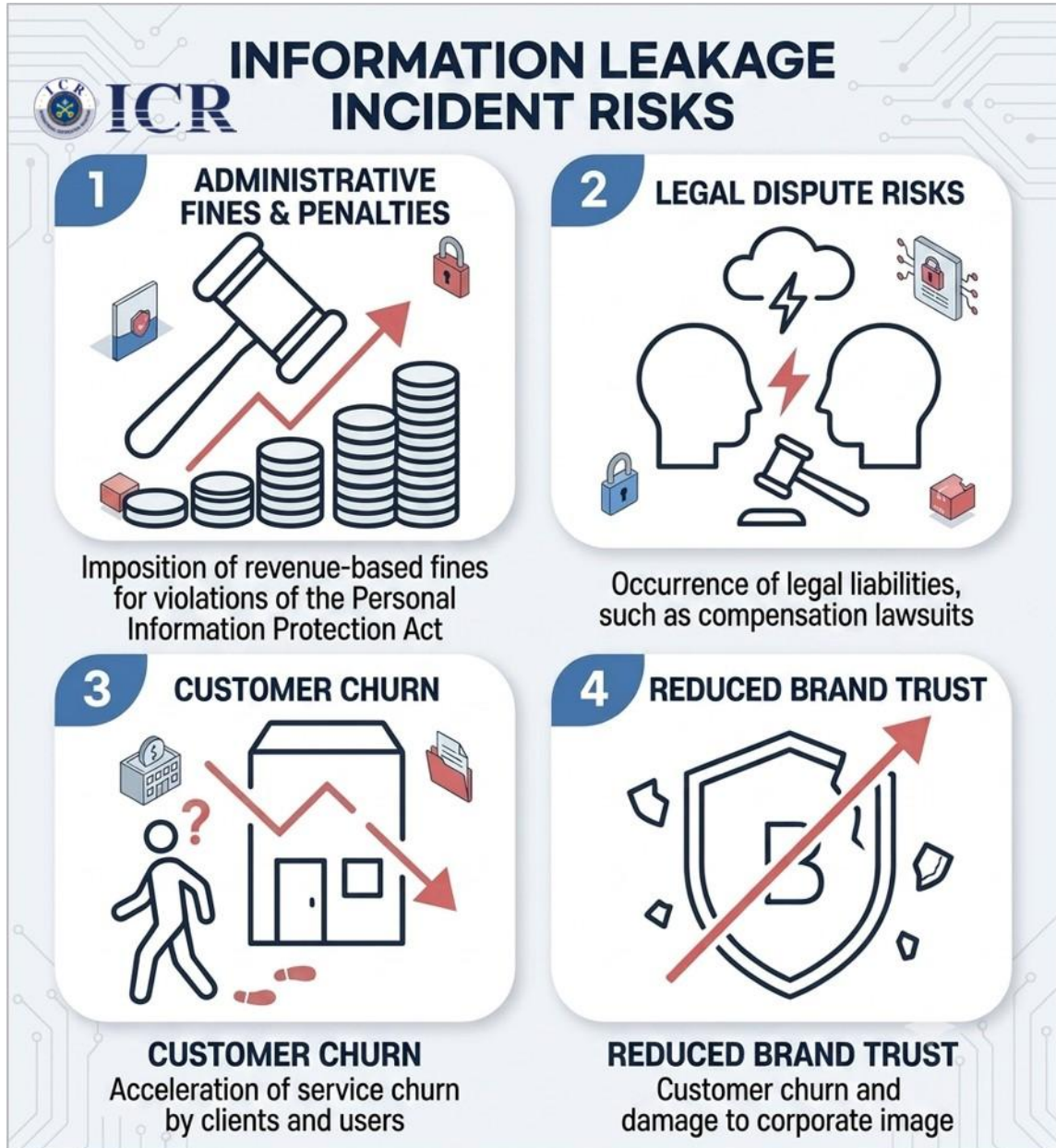
Recent data breaches at major online platforms and service providers have reinforced **the importance of robust information security management systems**. Meanwhile, regulations continue to tighten, with stricter penalties for data breaches and failures to implement required security measures.

Information security incidents can occur without warning.

Proactive risk identification and a robust management system are the best preparation.

ISO/IEC 27001: The Global Standard for Business Risk Management

■ Risks When an Information Leakage Incident Occurs





ISO/IEC 27001: The Global Standard for Business Risk Management

■ ISO/IEC 27001:2022 (ISMS)

ISO/IEC 27001 is **the international standard for Information Security Management Systems**. It enables organizations to systematically identify information security risks and manage them through appropriate controls.

❖ ISO/IEC 27001:2022 - Four Domains, 93 Security Controls

37

Organizational
Controls

8

People
Controls

14

Physical Controls

34

Technological
Controls

The 93 controls cover modern cyber risks, including cloud security, threat intelligence, and data masking, helping organizations adapt to an evolving security landscape.

ISO/IEC 27001: The Global Standard for Business Risk Management

■ What Can ISO/IEC 27001 Help Prevent?

ISO/IEC 27001 is an international standard for protecting information assets and systematically managing information security risks. It covers the entire management system, from policy development and risk assessment to access control and incident response.

Without a Structured Management System

- Unmanaged risks can lead to security incidents
- Incident response is delayed
- Security awareness varies across employees
- Meeting customer and client security requirements becomes more difficult



With ISO/IEC 27001

- roactively identify, assess, and manage information security risks.
- Reduce the likelihood of incidents while strengthening response capabilities.
- Standardize employee security awareness and response procedures
- Build trust and competitiveness with customers and contracting organizations

※ *ISO/IEC 27001 cannot prevent every security incident. Rather than guaranteeing complete prevention, it aims to reduce the likelihood of incidents and strengthen response capabilities through continuous risk optimization.*



ISO/IEC 27001: The Global Standard for Business Risk Management

■ Practical Business Benefits of ISO/IEC 27001

Beyond security management, ISO/IEC 27001 serves as a valuable business asset that strengthens organizational credibility and competitiveness.

01

Establish a Structured Security Governance Framework

Manage all 93 controls of the international standard through an integrated framework covering organizational, people, physical, and technological security

02

Mitigate Compliance Risks

Provide objective evidence of due diligence during regulatory investigations and demonstrate compliance with applicable requirements.

03

Meet Global Supply Chain and Tender Requirements

Satisfy security certification requirements increasingly demanded by major enterprises, public institutions, and procurement projects.

04

Reduce the Burden of Customer Security Audits

Replace repetitive customer security assessments with a globally recognized certification.



ISO/IEC 27001: The Global Standard for Business Risk Management

■ Objective and Impartial Certification Services by ICR

ICR operates transparently in accordance with rigorous international accreditation requirements, from verifying auditor competence and conducting certification audits to making certification decisions and providing ongoing surveillance.

By comprehensively assessing each organization's size, business model, and information security environment, ICR delivers in-depth certification audits that accurately identify key risk areas.

Assess Your Information Security Management System Today.

Considering ISO/IEC 27001 certification?

The ICR System Certification Center will support you from preparation to certification.

 **Inquiries**

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KC Safety Standards Revision

Revision of 7 Electrical Equipment Safety Standards

KC SAFETY STANDARDS REVISION

7 ELECTRICAL APPLIANCE SAFETY STANDARDS

ICR International Certification Registration

Enhanced Safety
Align with international standards for greater safety

Technology Advancement
Reflect the latest technology and product characteristics

Stronger Global Competitiveness
Enhance responsiveness in the global market

Ensuring Public Safety
Create a safe environment for the use of electrical products

Up-to-date Standards

Ensuring Public Safety

■ KATS, Announces Revisions to Seven KC Electrical Safety Standards

The Korean Agency for Technology and Standards (KATS) has recently promulgated revisions to seven KC safety standards governing **household and similar electrical appliances**.

Scheduled to take effect on **July 20, 2026**, these regulatory updates aim to align national safety protocols with global standards, thereby further strengthening the technical safety of electrical products.



KC Safety Standards Revision

Revision of 7 Electrical Equipment Safety Standards

■ Revised KC Electrical Safety Standards

Standard Number	Standard Title
KC 60335-2-2	Household and similar electrical appliances – Safety – Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances
KC 60335-2-12	Household and similar electrical appliances – Safety – Part 2-12: Particular requirements for warming plates and similar appliances
KC 60335-2-30	Household and similar electrical appliances – Safety – Part 2-30: Particular requirements for room heaters
KC 60335-2-32	Household and similar electrical appliances – Safety – Part 2-32: Particular requirements for massage appliances
KC 60081	Double-capped fluorescent lamps – Performance specifications
KC 60969	Self-ballasted lamps for general lighting services – Performance requirements
KC 61347-2-3	Lamp controlgear – Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic controlgear for fluorescent lamps

❖ **Key Rationale for Revisions:** This update has been enacted as part of an ongoing initiative to modernize national safety criteria in compliance with international agreements on electrical equipment safety management, including the WTO/TBT and the IECEE

❖ **Effective Date:** **July 20, 2026**



KC Safety Standards Revision

Revision of 7 Electrical Equipment Safety Standards

■ ICR provides Professional Testing & Certification Services as a KOLAS-Accredited Body

This modernization measure aims to enhance the global competitiveness of domestic enterprises by securing alignment with international standards, while simultaneously reinforcing technical safety.

However, as the effective implementation dates and transitional periods may vary according to the supplementary provisions of each specific standard, we strongly encourage clients to cross-check the applicable standard numbers for their respective product lines and establish proactive compliance measures.

As an officially accredited testing laboratory under **KOLAS**, we are committed to helping our clients navigate this evolving regulatory landscape. Moving forward, we will continue to deliver timely and accurate policy updates and technical trends to provide practical value to your business. Should you have any **inquiries regarding product testing, certification procedures, or regulatory compliance strategies**, please feel free to reach out to our team.

 **Inquiries**

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EN ISO 13855:2024

Update to the Safety Distance Calculation Formula for Protective Devices



The banner features the ICR logo and the title 'EN ISO 13855:2024 SAFETY DISTANCE CALCULATION UPDATE'. It includes three circular icons: 'Enhanced Safety' (shield with checkmark), 'Reflects Latest Standards' (document with checkmark), and 'More Accurate Calculations' (bar chart with upward arrow). Below these are three rectangular boxes: 'Compliance with Updated Standards Apply Latest Revision' (shield icon), 'Improved Calculation Accuracy Apply Updated Formula' (calculator icon), and 'Design, Evaluation & Verification Support Improve Engineering Efficiency' (clipboard icon). The background shows a robotic arm in a factory setting with a 'SAFETY FIRST' warning sign. A worker in a hard hat is looking at a laptop displaying the formula $S = (K \times T) + D_{DS} + Z$ and a diagram of a person and a machine with a distance 'S' indicated. A book titled 'EN ISO 13855:2024' is also visible.

■ EN ISO 13855

ISO 13855 is a **machinery safety standard** used to determine the position and dimensions of protective devices, such as light curtains, safety scanners, safety mats, two-hand control devices, and interlocking guards, so that they are installed at a sufficient distance from hazards.

In other words, it provides the criteria for calculating the "separation distance" so that a person cannot reach the hazard zone before hazardous motion has fully stopped after detection by the protective device.

EN ISO 13855:2024

Update to the Safety Distance Calculation Formula for Protective Devices

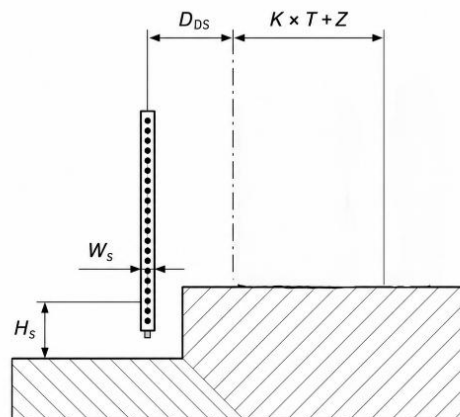


■ Key points of this revision

- The concept has been reorganized from "minimum distance" to "separation distance".
- The former additional distance C has been divided into D_{DS} and Z to better reflect actual conditions.
- It is important to verify stopping time T , detection capability, approach method, and measurement uncertainty.

Review points for manufacturers

If existing safety-distance calculations were prepared based on ISO 13855:2010, the revised calculation method should be reviewed for new equipment or CE technical documentation updates.



a) Stepping up (SPE in front of the step)

EN ISO 13855:2024

Update to the Safety Distance Calculation Formula for Protective Devices



■ Comparison of Calculation Formulas Before and After the Revision

❖ Overview of formula changes

ISO 13855:2010

$$S = K \times T + C$$

Approach speed × total response time
+ additional distance



ISO 13855:2024

$$S = (K \times T) + D_{DS} + Z$$

Detection capability / approach method +
uncertainty and equipment-condition factors

❖ Meaning of symbols

Symbol	Meaning
S	Separation distance between the detection zone of the protective device and the hazard zone
K	Approach speed of the human body or part of the body
T	Total time from actuation of the protective device until hazardous motion stops
D_{DS}	Distance based on detection capability and approach method of the detection device
Z	Additional distance considering measurement uncertainty, brake wear, etc.

The key change is that the additional-distance elements formerly included in C are now separated into D_{DS} and Z, allowing detection capability, approach method, and actual equipment condition to be reflected more clearly.

EN ISO 13855:2024

Update to the Safety Distance Calculation Formula for Protective Devices



■ Items manufacturers should check first

- Verify T by adding protective-device response time, control-system response time, and actual stopping time.
- Review D_{DS} based on the detection capability and approach method of the light curtain/scanner.
- Review Z considering measurement uncertainty, reduced braking performance, brake wear, etc.
- Check drawing distances, actual installation distances, possible bypass access, and access from above or below.

■ ICR support services

Separation distance calculation review

Review of installation distances for light curtains, scanners, safety mats, and two-hand control devices

Stopping-time data review

Review of stopping-time measurements, control-system response time, and calculation basis

CE technical documentation support

Review of risk assessment, layout, circuit diagrams, and protective-device documentation

It is not sufficient for a protective device simply to be “installed.”
An appropriate separation distance must be secured so that a person cannot reach the hazard zone before hazardous motion stops.

ICR supports separation distance calculations and protective-device layout reviews in accordance with the revised EN ISO 13855.

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ICRO-31/R20161125 본 문서는 법률 제 14088호 저작권법의 보호대상이며, ICR의 지적 자산으로 불법 편집 및 복사를 금합니다.

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