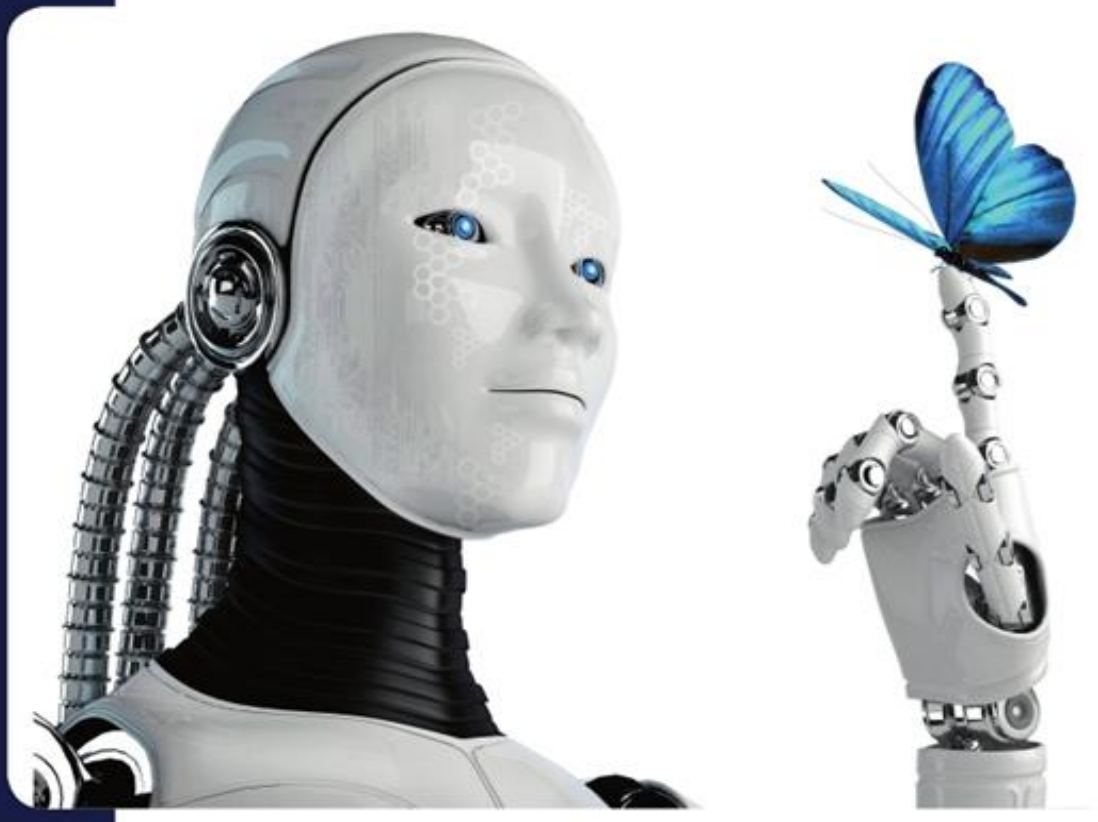
Newsletter
July, 2026

ICR



Address :3611, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do , South Korea (10048)
Company Id No : 110111-243147
Tax & VAT Id No : 105-86-35114
Tel : (+82)2-6351-9001~5 / Fax : (+82)2-6351-9007
Home page : www.icrqa.com

Hot Issue

1. Guide to ISO 37001:2025 Transition

2. SEMI E78 Electrostatic Field Measurement

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Guide to ISO 37001:2025 Transition

▣ What is ISO 37001:2025 Anti-Bribery Management System?

ISO 37001is **an international management system standard designed to help organizations systematically manage bribery and corruption risks.**

It can be applied to organizations of all sizes, sectors, and structures, providing requirements and guidance for the prevention, detection, and response to bribery.

Guide to ISO 37001:2025 Transition

Benchmarking Tool	Provides an objective framework for assessing an organization's anti-bribery performance and identifying improvement opportunities.
Integrated Management Framework	Establishes organizational expectations and provides operational criteria for verifying the integrity of business partners.
Demonstration of Preventive Measures	Demonstrates that appropriate preventive measures are in place and that bribery is not tolerated.

** ISO 37001 certification does not guarantee that bribery will never occur. However, it demonstrates that an effective prevention system is in place, helping organizations enhance external credibility and maintain responsible governance.*

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Guide to ISO 37001:2025 Transition

▣ Key Drivers Behind the Revision

Since the publication of ISO 37001:2016, the global business environment has evolved significantly. Growing climate-related risks, increasingly complex conflicts of interest, and the importance of organizational culture have been key drivers of this revision.

❖ 1. Stronger Focus on Organizational Culture

Emphasizes building an anti-bribery culture beyond procedural compliance.

❖ 2. Enhanced Independence of the Anti-Bribery Function

Clarifies the authority and independence of the anti -bribery function within the management system.

❖ 3. More Specific Conflict-of-Interest Controls

Introduces practical controls for managing conflicts of interest in decision-making.

❖ 4. Alignment with Climate Change and Harmonized Structure

Requires climate-related considerations and alignment with the latest ISO Harmonized Structure (HS).

Guide to ISO 37001:2025 Transition

▣ Comparison of ISO 37001:2016 vs. ISO 37001:2025

ISO 37001:2016	ISO 37001:2025
Anti-Bribery Compliance Function assigned to a specific individual	**Anti-Bribery Function** may be assigned to an individual or department
Limited requirements related to organizational culture	New clause **5.1.3** requiring development, maintenance, and promotion of an anti-bribery culture
Unclear conflict-of-interest management requirements	Specific measures introduced, including decision-making segregation
No climate change considerations	Climate change impacts must be considered in context and stakeholder analysis
No clause for Planning of Changes (6.3)	New **Clause 6.3** requiring review of objectives, impacts, resources, and responsibilities before changes
Clause order: **Nonconformity and Corrective Action → Continual Improvement**	Clause order revised: **Continual Improvement → Nonconformity and Corrective Action**

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Guide to ISO 37001:2025 Transition

▣ ISO 37001:2025 Transition Preparation Checklist

Organizations are encouraged to review the following items to ensure compliance with ISO 37001:2025 requirements.

ISO 37001:2025 Transition Preparation Checklist ICR	
✓ **Documentation and System Review**	
☑	Has the anti-bribery policy been updated to address the development and promotion of an anti-bribery culture?
☑	Are the roles, responsibilities, and authorities of the anti-bribery function clearly defined?
☑	Is a decision-making segregation process documented for conflict-of-interest situations?
☑	Are climate-related issues considered when analyzing organizational context and interested parties?
☑	Is **Clause 6.3 Planning of Changes** applied when management system changes occur?
✓ **Training and Culture Review**	
☑	Does top management formally communicate its commitment to anti-bribery practices?
☑	Is scenario-based anti-bribery training conducted regularly?
☑	Are reasonable limits and approval procedures established for gifts and hospitality?
☑	Is an anonymous reporting channel in operation?

Guide to ISO 37001:2025 Transition

▣ ISO 37001:2025 Certification Transition Process

STEP 1
Review and Apply Revised Requirements

STEP 2
Schedule the Transition Audit

STEP 3
Conduct the Transition Audit

STEP 4
Issue New Certificate

Transition Deadline of the ISO 37001:2025 : by February 28, 2027

STEP 1 Review and Apply Revised Requirements

Review the revised requirements and update ABMS documents and procedures as needed.

STEP 2 Schedule the Transition Audit

Schedule the transition audit in line with the existing audit cycle.

STEP 3 Conduct the Transition A

A qualified auditor of ISO 37001:2025 conducts a conversion review using the revised review report

STEP 4 Certification Decision and Issuance of New Certificate

After the transition audit and certification review, a new ISO 37001:2025 certificate will be issued.

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Guide to ISO 37001:2025 Transition

▣ ICR, Support for ISO 37001:2025 Transition

ISO 37001:2025 represents a shift beyond regulatory compliance toward embedding a culture of integrity throughout the organization. Modern requirements such as **climate change, conflicts of interest, and anti-bribery culture** are now strategic priorities.

ICR provides integrated support for certification acquisition, transition preparation, internal audits, and management system operation in line with the latest international requirements and certification trends.

Certification Acquisition

Support throughout the entire ISO certification process

Transition Preparation

Guidance on revised standards and certification transition procedures

Internal Audit Support

Review and improvement of internal audit processes and operations

Latest Trends Update

Regular updates on international certification and regulatory developments

☎ Inquiries

System Certification Center / Kim, Gi-Beom

T. 070-5083-2656 / kgb@icrqa.com

SEMI E78
Electrostatic Field Measurement

▣ What is SEMI E78?

The purpose of this guideline is to minimize productivity losses caused by **electrostatic charges and electric fields** generated in semiconductor manufacturing equipment.

It is a guide for establishing the **electrostatic compatibility of equipment used in semiconductor manufacturing.**

** SEMI E78 – Guide to assess and control electrostatic discharge(ESD) and electrostatic attraction(ESA) for equipments.*

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SEMI E78
Electrostatic Field Measurement

▣ Effects of Electrostatic

Electrostatic discharge (ESD) can cause damage to products and reticles and may result in **equipment malfunction.**

Charged **wafer and reticles** surfaces can attract particles due to **electrostatic attraction**, thereby increasing the **defect occurrence rate**.

▣ application scope

- ❖ Product or reticles
- ❖ Carriers (FOUP, wafer transfer robots, etc.)
- ❖ Parts of the input/exit ports of equipment and minienvironments

Electrostatic-related problems mainly occur while the product is contained in a carrier or is being transferred through the equipment.

FOUP
(Source of information: Xinkehui)

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SEMI E78
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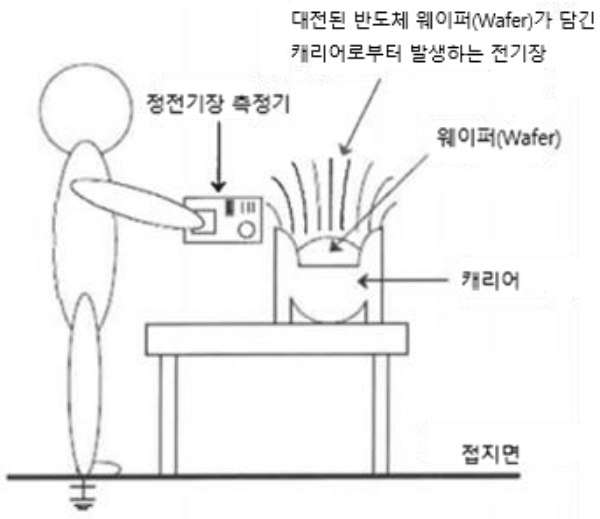
▣ Example of Electrostatic Field Measurement Setup



▣ Recommended Levels of Electrostatic Field

Year Node	*Electrostatic Field* *V/cm*	*V/m*	*(V/inch)*
2000 180 nm	200	20,000	(500)
2004 90 nm	100	10,000	(250)
2010 45 nm	50	5,000	(125)
2017 18 nm	20	2,000	(50)
2019 17.5 nm	19	1,900	(48)
2021 17 nm	18.5	1,850	(46)
2024 14 nm	15.5	1,550	(39)
2027 11 nm	12	1,200	(30)
2030 8.4 nm	9	900	(23)
2033 7.7 nm	8.5	850	(21)

- ✓ The average value of five consecutive electrostatic field measurements shall not exceed the recommended level.
- ✓ No individual electrostatic field measurement value shall exceed twice the recommended level.
- ✓ As **semiconductor technology nodes continue to shrink, the recommended levels are becoming increasingly stringent.**

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SEMI E78
Electrostatic Field Measurement

▣ Test equipment and test photos

ICR possesses the test equipments required for **SEMI E78** and is capable of **performing on-site testing.**

☎ Inquiries
Industrial Safety Center / Kang, Gyeong-Man
T.070-5083-2620 / kkm@icrqa.com