

Newsletter

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ICR



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Hot Issue

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ISO 37001 Anti-bribery Management systems



■ About ISO 37001 Anti-bribery Management systems

ISO 37001:2016 is **the new international standard** designed to help organizations implement an Anti-bribery Management Systems (ABMS).

ISO 37001 also follows the common ISO structure for management systems standards, for easy integration with ISO 9001.

■ Effect of the introduction of ISO 37001

Even if it is conform to anti-bribery management systems requirements, the risk of bribery cannot be completely eliminated.

However, introducing the standard is helpful to implement reasonable measures to prevent, detect, and respond to bribery.

ISO 37001 Anti-bribery Management system



■ ICR_ISO 37001

Currently, ICR provides anti-bribery management systems certification audit services and continuously monitors international and domestic trends.

ICR will be conducted so that it is helpful to the real life of the company and helpful to the management, not a certification that requires formal preparation by the company and consumes time.



☎ Inquiries

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KMVSS regarding Light Electric Vehicles



■ **The test items** of KMOVSS regarding Light Electric Vehicles which entered into force on **25 December 2022**, are as below.

Test items	Criteria
Vibration	- No rupture, leakage, venting, fire and explosion - Isolation resistance $\geq 100 \Omega/V$
Thermal shock and cycling	- No rupture, leakage, venting, fire and explosion - Isolation resistance $\geq 100 \Omega/V$
Fire resistance	- No explosion - When the REESS is mounted such that the lowest surface of the casing of the REESS is more than 1.5m above the ground, this test is not required.
External short circuit	- No rupture, leakage, venting, fire and explosion - Isolation resistance $\geq 100 \Omega/V$
Overcharge protection	- No rupture, leakage, venting, fire and explosion - Isolation resistance $\geq 100 \Omega/V$
Over-discharge protection	- No rupture, leakage, venting, fire and explosion - Isolation resistance $\geq 100 \Omega/V$
Over-temperature protection	- No rupture, leakage, venting, fire and explosion - Isolation resistance $\geq 100 \Omega/V$
Overcurrent protection	- No rupture, leakage, venting, fire and explosion - Isolation resistance $\geq 100 \Omega/V$
Salt water immersion	- No fire and explosion - When the installation location of the REESS is higher than passenger compartment, this test is not required.
Drop	- No rupture, leakage, venting, fire and explosion - Isolation resistance $\geq 100 \Omega/V$


KMVSS regarding Light Electric Vehicles



■ vs UN ECE R136

- R136 requires Mechanical shock test based on 12 kg mass, but KMVSS doesn't require this test.
- KMVSS requires Salt water immersion and Overcurrent protection, but R136 doesn't require these test.
- In case of REESS test, the SOC of all samples should be adjusted to no less than SOC 95% according to KMVSS, but R136 requires SOC 90% or higher only for Drop test.

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

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- **The regulated voltage of the product that operates both with the vehicle's own generator and battery**
 - ▶ If the rating is declared differently depending on the manufacturer (e.g., A declares its own generator voltage of 14.4 V, B declares the vehicle battery voltage of 12 V as the rated voltage)
 - ⇒ Decided to apply the rated voltage declared by the manufacturer

- **How to apply the specified power supply voltage for products using commercial batteries (1.5 V alkaline batteries, coin batteries, etc.)**
 - ▶ Built-in batteries have battery specifications so you can check the maximum voltage, but how should the maximum voltage be determined for products that use commercially available batteries (such as Bluetooth remote controls)?
 - ⇒ +10% of the rated voltage is applied as the highest voltage

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■ Wireless access system (WAS) wireless device, scope of module certification, etc.

- ▶ Technical standards Article 7, Paragraph ⑤ 'Technical standards for specific low-power wireless devices for wireless access systems (WAS), including wireless LAN' applied and certified devices cannot be used for one-to-one communication?

⇒ Available for one-to-one communication. One-to-one connection can also be interpreted as a network type connection.

- ▶ Is it possible to certify a module in the form of a board including a chip rather than in the form of a single chip?

⇒ Module authentication is possible. However, changing and using a board certified as a module is a violation of the regulations.

■ G.3.6 Active Frequency Selection (DFS) Functional Test in Annex G* Discusses how to process test results for type B devices

- ▶ Type B device cannot check the interference detection standard because it is a client device without radar signal detection function.

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- ▶ Therefore, a test for the interference detection standard is not necessary, and only the test result for the channel movement time is described.

- **Test method when the operating temperature range of the user manual is wider than the environmental test temperature standard specified in KS X 3123**
 - ▶ It is appropriate to test in accordance with the technical standards and test method regulations.

 - ▶ However, if there is a request from the test applicant, tests that exceed the standard may be conducted.

 **Inquiries**

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