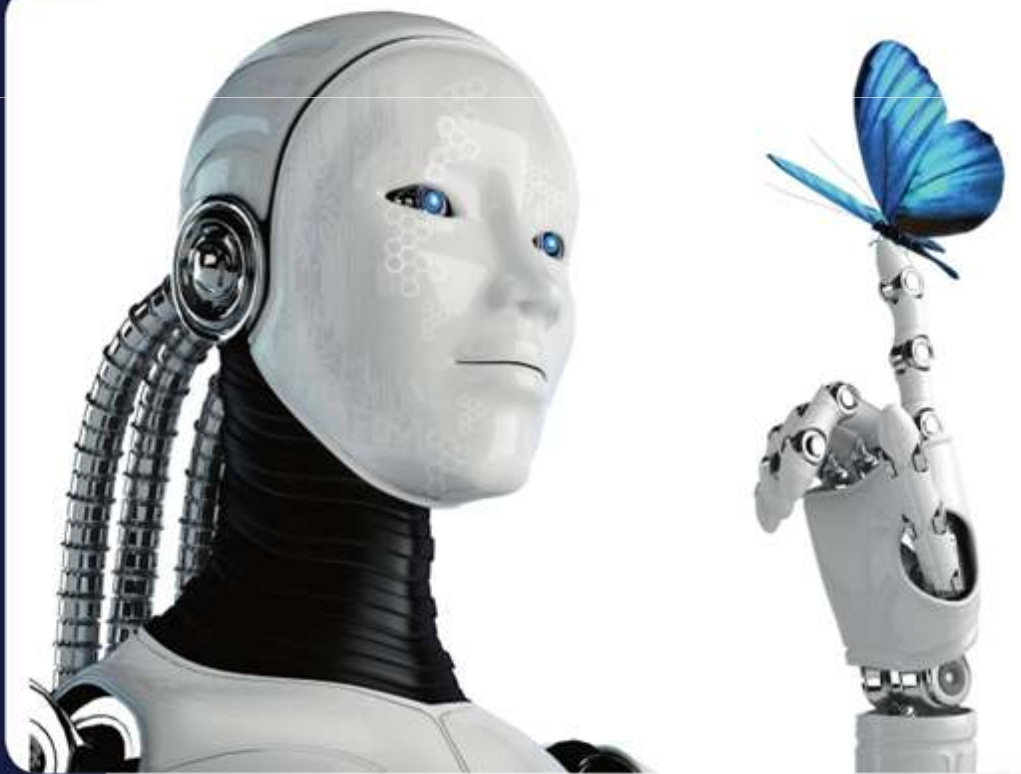




ICR

Newsletter August, 2017



Hot issue

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- **Registered TEST LABORATORY by UL Korea**
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All companies are always advancing towards
for better development and brighter future.

However, in order to go further in the fast-changing times, corporate efforts are absolutely needed. In response to that, ICR constantly studies with pride that customer satisfaction is the best objective. In addition, ICR has been reminded that the best competitiveness is "Increasing mutual trust". ICR is the nation's first one-stop service certification body as your specialized partner can locally and internationally provide testing, verification, inspection and certification services. Be with ICR's trusted change and innovation, ICR will promise your smart and rich future.

Business Agreement (MOU) between ICR Polska and KCL



On 17 July 2017, **ICR Polska and KCL signed MOU.** Kyung Sik Kim, President of KCL and Rafal Kalinowski , General Director of ICR Polska signed a Memorandum of Understanding with Medical device certification field in ICR Polska, Warsaw, Poland.



Registered TEST LABORATORY by UL Korea



We have been recognized as a **Registered TEST LABORATORY** by UL Korea on July 14, 2017.

UL is the First Safety standard Development Agency in the United States. It provides a **UL mark** that is essential for US and Canadian exports.

And it also provides a variety of services related to product safety testing and overseas certification for export worldwide. We also provide active support services for domestic companies.

We will provide testing services related to
UL Certification.

ISO17021-2:2016, ISO17021-3:2017 Published



■ ISO/IEC 17021-2:2016

- Conformity assessment-requirements for bodies providing audit and certification of management system-Part 2:
Competence requirements for auditing and certification of environmental management system was published in 1st December 2016.

■ ISO/IEC 17021-3:2017

- Conformity assessment-requirements for bodies providing audit and certification of management system-Part 3:
Competence requirements for auditing and certification of quality management system was published in March

System Certification Q&A [1]



■ System Certification Q&A

■ How does the 1MD audit is defined?

- 1MD audit duration is 8 hours in a day, and it includes lunch time.

■ Is over 8 hours audit duration allowed to fulfill the 1.5MD audit in a day?

- For the improvement of audit quality, over 8hours audit duration is not allowed.

System Certification Q&A [2]



■ System Certification Q&A

▪ How is the audit duration of special audit calculated?

- In the case of certification scope change (expansion or reduction), address change, CEO change, special audit shall be conducted. Generally, audit duration is 1MD, however if the employees are more than 100, 2MD audit shall be conducted.

▪ In case of initial audit, can stage 2 audit be conducted stage 1 audit in right next day?

- After reviewing stage 1 audit result, the possibility of stage 2 is determined. As a result, stage 2 audit cannot be conducted in right next day of stage 1 audit.

SEMI Membership [1]



SEMI® (Semiconductor Equipment and Materials International)

SEMI is the global industry association serving the manufacturing supply chain for the micro- and nano-electronics industries.

ICR has become a SEMI Member since July in 2017

SEMI Member
Num. 272278.

Member Directory

Search for SEMI Members

Find SEMI members across the entire supply chain. Searchable by industry, product category and location - our listings make it easy to locate the right member company. Listings are an exclusive benefit of SEMI membership and are provided at no additional cost.

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Company Name	Description	Country	Primary Industry
icr		Korea, Republic Of	Semiconductor

Primary Product: Services

Apply

Company Name	Web Site Address	Country
ICR Co.,Ltd.	http://www.icrqa.com	Korea, Republic Of

ICR, as a SEMI Member, provides the SEMI service, which is easier and more precise to customers' safety of semiconductor equipment and market entry, by taking full advantage of the networking, issue management, marketing, market and industry information provided by SEMI Association.

SEMI Membership [2]



SEMI Service is a service for issuing the following **standards evaluations and evaluation reports (SEMI evaluation reports)** for semiconductor equipment safety.

- **SEMI S2** - Environmental, Health, and Safety Guideline
- **SEMI S6** - EHS Guideline for Exhaust Ventilation
- **SEMI S8** - Ergonomics Engineering
- **SEMI S10** - Risk Assessment and Risk Evaluation Process
- **SEMI S22** - Electrical Design
- **SEMI S28** - Robots and Load Ports Intended for Use
- **SEMI F47** - Semiconductor Processing Equipment Voltage Sag Immunity
- **SEMI E78** - Assess and Control Electrostatic Discharge (ESD) and Electrostatic Attraction (ESA)

In addition, we will conduct SEMI Working Group (WG) activities, conduct standardization activities, and specifically study equipment safety measures.

ICR is providing SEMI service with Product Certification service, thank you for your interest.

CPSC (Consumer Product Safety Commission) Business data [1]



■ Children's Product

The **CPSIA** (United States Consumer Product Safety Improvement Act) requires domestic manufacturers and importers of children's products (cpsc.gov/childrensproduct) based on the passing of the tests conducted by the CPSC designated third party testing laboratory (cpsc.gov/labsearch) Children's Product Certification "cpsc.gov/cpc".

The manufacturer must first determine the age of the product user (cpsc.gov/childrensproduct). After determining the age range to use, the manufacturer must identify a set of inspection requirements to test the product. Inspection requirements vary depending on the age range of the product, the physical and mechanical properties of the product, and the product material of the product.

■ General product and Non-Children's Product

Certification means the issuance of a written **General Certificate of Conformity(GCC)** in which the manufacturer or importer certifies that its non-children's (general use) product complies with all applicable consumer product safety rules (or similar rules, bans, standards, or regulations under any law enforced by the Commission for that product.) There is no requirement that a manufacturer or importer of general use (non-children's) products use a CPSC-accepted third party laboratory to conduct its testing. You do not need to display tracking information in the product.

CPSC (Consumer Product Safety Commission) Business data [2]



■ Reporting duty

If you are a manufacturer, importer, distributor, and/or retailer of consumer products, you have a legal obligation to immediately report the following types of information to the CPSC:

- A defective product that could create a substantial risk of injury to consumers;
- A product that creates an unreasonable risk of serious injury or death;
- A product that fails to comply with an applicable consumer product safety rule or with any other rule, regulation, standard, or ban under the CPSA or any other statute enforced by the CPSC;
- An incident in which a child (regardless of age) chokes on a marble, small ball, latex balloon, or other small part contained in a toy or game and that, as a result of the incident, the child dies, suffers serious injury, ceases breathing for any length of time, or is treated by a medical professional; and
- Certain types of lawsuits. (This applies to manufacturers and importers only and is subject to the time periods detailed in Sec. 37 of the CPSA.)

■ Essential safety regulations for children's products

- Complete list of regulations requiring certification :

www.cpsc.gov/certify

- Toy Product :

www.cpsc.gov/toysafety

- ASTM F963-11

- Durable products for infants and nurseries :

www.cpsc.gov/durableinfantproducts

- Hazardous Substances :

www.cpsc.gov/FHSA

- FHSA prohibits harmful substances in children's products.

source of data: <https://www.cpsc.gov>

TTA, 5G standardization project establishment [1]



The Korea Information and Communications Technology Association (TTA) has established the **5G special technical committee** under the TTA standardization committee in June to promote the successful standardization of 5G technology in Korea and announced that the first meeting was held on July 6th.

5G is a technology that enables high-speed, real-time, high-speed connection services such as high-speed up to 20Gbps, short transmission delay time of 1ms, and connection of up to 1 million devices. The official name is **IMT-2020** defined by ITU-R.

In June, ITU-R completed preliminary studies on technical performance requirements, evaluation methods and procedures for the international standardization of IMT-2020 and started to accept 5G candidate technologies from each country in October, In addition, 3GPP is accelerating the development of detailed technical specifications with the goal of completing the 5G 1st stage standard in June 2018 in accordance with the ITU-R schedule.



TTA, 5G standardization project establishment [2]



TTA believes that it is necessary to promptly reflect market requirements such as the integration of standardization areas in which the boundaries of wired and wireless are disappearing as the 5G standardization becomes visible, and quick responses to global harmonization with international standards. , "5G Special Technical Committee" was established to integrate and strengthen 5G wireless access / network standardization at home and abroad, technology evaluation for verification of 5G candidate technology, and international standardization response such as ITU-R.

The 5G Special Technical Committee has also been mandated to establish the 3GPP standard as a TTA standard under Resolution II of the Standard General Assembly resolution. Therefore, at the first meeting of the 5G Special Technical Committee, it was decided to adopt a total of 301 3GPP technical specifications as TTA standards (technical specifications) and to include them in the ITU-R Recommendations.

TTA is a 3GPP initiative organization that adopts 3GPP technology standard as TTA standard and distributes it to the domestic market. The adopted technical specification is 3GPP Rel.13 standard, CA (frequency convergence) evolution technology, license-exempt band LTE operation, D2D evolution technology, and technologies that TTA member companies (Samsung Electronics, LG Electronics, etc.) have reflected on 3GPP.

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