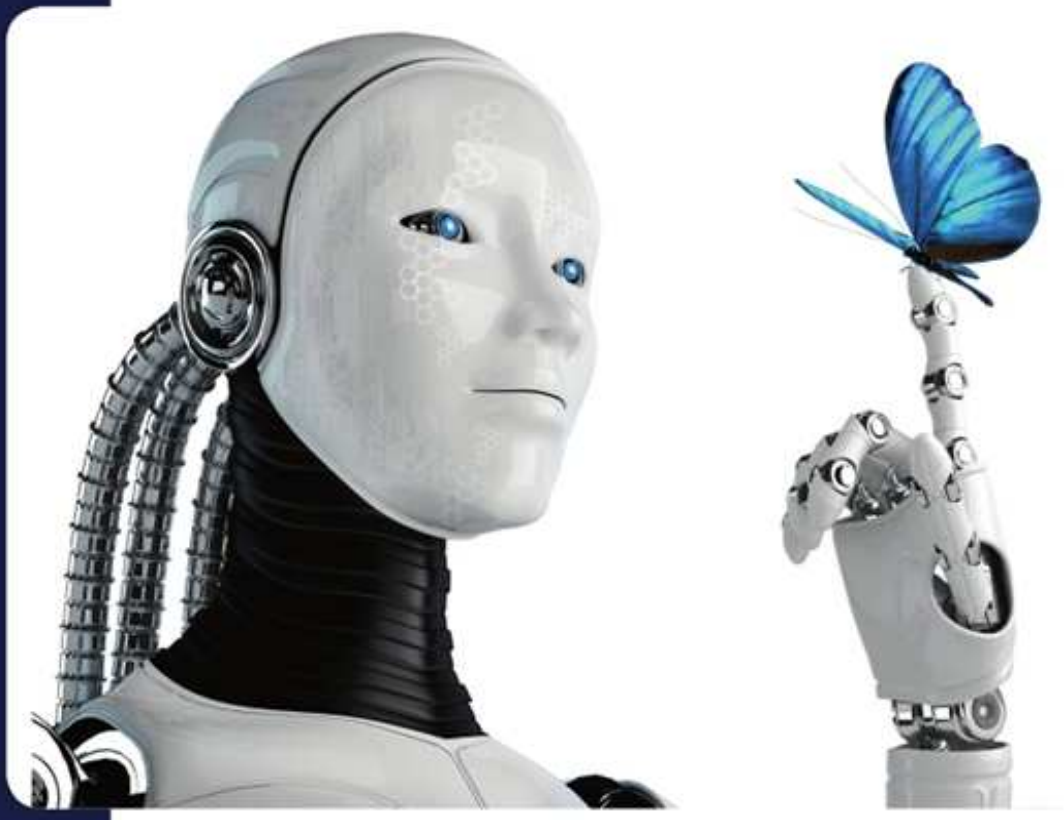
Newsletter
October, 2018

ICR



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Tax & VAT Id No : 105-86-35114

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Hot Issue

1. RRA Completion
2. Expanded standards for KOLAS Medical device field
3. IEC / EN 62368-1 KOLAS Audit
4. Application of safety verification testing agency
5. HKMC EMC Technology council meeting
6. Wonju medical high school visiting ICR
7. ISO 19011:2018 Revision
8. OFFSHORE KOREA 2018
9. CSA Group Field Evaluation Seminar
10. CSA Group Cybersecurity Seminar

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RRA Completion
(Electromagnetic Test Headquarters)

On September 17, 2018 at the **RRA 5G mobile communication** Additional Designated.

지 정 서

Certificate of Designation

지정번호 *(Designation No.)* : KR0165

기관명 *(Name of CAB)* : 주식회사 아이씨알 (ICR Co., Ltd.)

주소 *(Address)* : 경기도 김포시 양촌읍 황금3로 7번길 112

(112, Hwanggeum 3-ro 7beon-gil, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea)

시험분야 *(Scope of Designation)* : 무선, 전자파적합성, 전자파강도,
미국 MRA(USA MRA), 베트남 MRA(Vietnam MRA)

시험항목 *(Items of Test)* : 별지 참조 (See Attachment)

위 기관을 「전파법」 제58조의5의 규정 및 ISO/IEC17025:2005에 의하여 방송통신기자재등 적합성평가 시험업무를 하는 기관으로 지정합니다.

This Laboratory is accredited and designated in accordance with the provisions of Radio Waves Act and International Standard ISO/IEC 17025:2005.

2018. 9. 17.

국 립 전 파 연 구 원 장

National Radio Research Agency

Ministry of Science and ICT

ICR Co., Ltd. has developed a For all electrical / electronic products in the industrial sector **KC test certification / registration** is provided. Thank you for your interest.

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Expanded standards for KOLAS Medical device field

In order to provide safer and more accurate testing and certification services to our customers,

ICR conducted field assessments to standards **change and update** for **KOLAS medical devices field**.

In addition, the latest standards will be applied to standards recognized **as CBTL by IECEE.**

We promise to provide you with a better level of testing in the future.

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Expanded standards for KOLAS Medical device field

KOLAS	CBTL
IEC 60601-2-2:2017	IEC 60601-2-4:2010+A1:2018
IEC 60601-2-4:2010+A1:2018	IEC 80601-2-30:2018
IEC 60601-2-28:2017	IEC 80601-2-49:2018
IEC 80601-2-30:2018	IEC 60601-2-54:2009+A1:2015+A2:2018
IEC 60601-2-43:2010+A1:2017	ISO 80601-2-61:2017
IEC 80601-2-49:2018	IEC 60601-2-63:2012+A1:2017
IEC 60601-2-54:2009+A1:2015+A2:2018	IEC 60601-2-65:2012+A1:2017
IEC 80601-2-59:2017	
ISO 80601-2-61:2017	
IEC 60601-2-63:2012+A1:2017	
IEC 60601-2-65:2012+A1:2017	

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IEC / EN 62368-1 KOLAS Audit

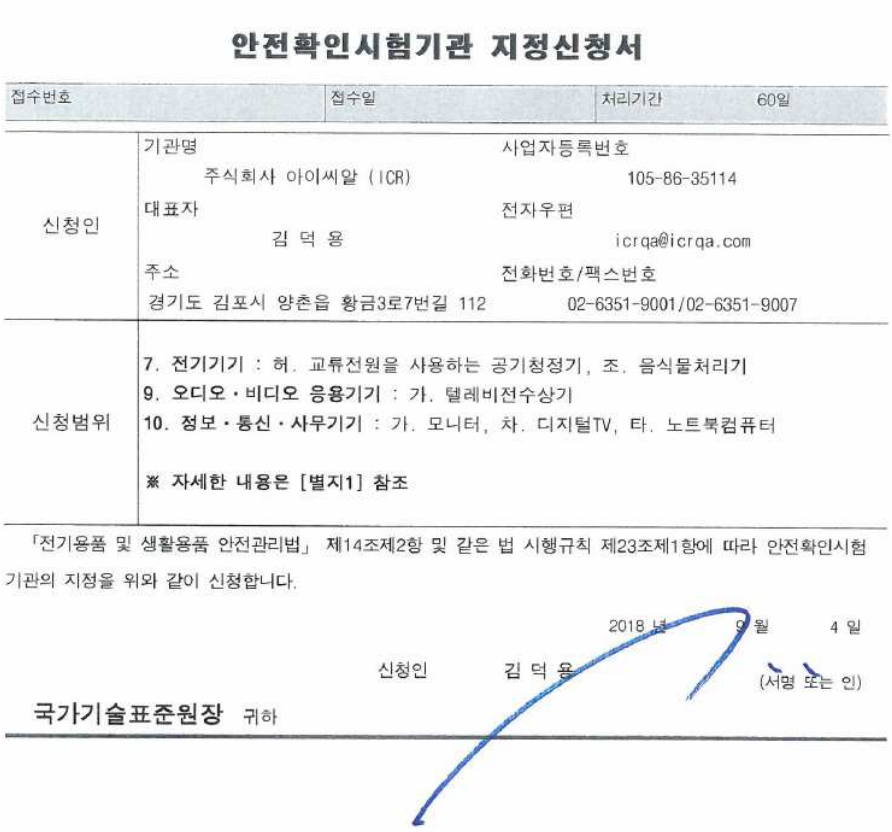
KOLAS is a Korean stabiliser and KOLAS recognition system Supports industrial activities through recognition system that can be used in various fields in domestic industry.

In large part, the company operates a system of accreditation by Calibration institutions, testing agencies, testing agencies, reference materials production agencies, medical testing institutions, and proficiency testing management institutions.

For 3 days from September 17 to 19, KOLAS was extended/renewed.
This time, the Electrical & Electronics testing team has **extended the IEC / EN 62368-1 standard**, completed the audit without any problems and will serve.

Application of safety verification testing agency

We have completed the application of the safety verification testing agency on September 4 and will be available as early as this year.



안전확인시험기관 지정신청서

접수번호	접수일	처리기간 60일
신청인	기관명 주식회사 아이씨알 (ICR)	사업자등록번호 105-86-35114
	대표자 김 덕 용	전자우편 icrqa@icrqa.com
	주소 경기도 김포시 양촌읍 황금3로7번길 112	전화번호/팩스번호 02-6351-9001/02-6351-9007
신청범위	7. 전기기기 : 허. 교류전원을 사용하는 공기청정기, 조. 음식물처리기 9. 오디오·비디오 응용기기 : 가. 텔레비전수상기 10. 정보·통신·사무기기 : 가. 모니터, 차. 디지털TV, 타. 노트북컴퓨터 ※ 자세한 내용은 [별지1] 참조	

「전기용품 및 생활용품 안전관리법」 제14조제2항 및 같은 법 시행규칙 제23조제1항에 따라 안전확인시험기관의 지정을 위와 같이 신청합니다.

2018 년 9 월 4 일

신청인 김 덕 용 (서명 또는 인)

국가기술표준원장 귀하

HKMC EMC Technology council meeting

HKMC 3rd 2018 EMC technology council meeting in ICR at 20th Sep 2018.

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HKMC EMC Technology council meeting

Subject

- Wireless changing system and EMC considerations
- High voltage system and EMC considerations for commercial vehicles
- ICR lab tour
- EMC technology trend of ADAS
- HKMC test plan

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Wonju Medical Equipment Technology High school visiting ICR for education

From September 27th to 28th, we conducted an ICR tour at Wonju Medical Equipment Technology High school, which is a mecca for training medical professionals.

Wonju Medical Equipment Technology High school is the only Mister High School in Korea in the medical equipment field, and it is a school that boasts excellent education as well as fostering the medical device industry.

Wonju Medical Equipment Technology High school visiting ICR for education

Through this tour, we have provided students with detailed explanations on medical device certification and the IEC 60601-1 standard, which is a common standard for medical devices, as well as providing lectures on system certification and product certification.

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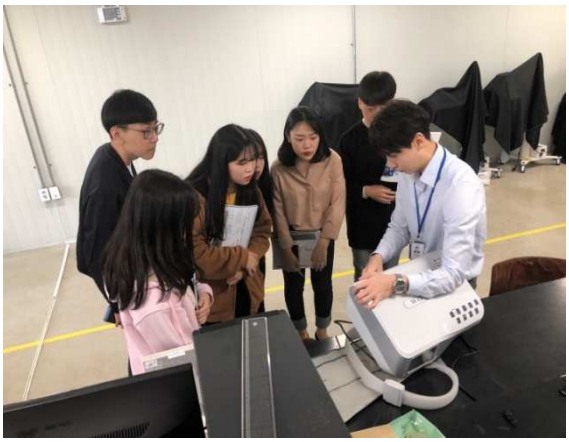
Wonju Medical Equipment Technology High school visiting ICR for education



In this tour, the actual students were not only trained in specification theory, but also conducted electrical safety tests based on the common standard of IEC 60601-1. Through power input, leakage current, and ground continuity test, it was a good opportunity for students to realize the importance and methods of testing carried out in an actual laboratory.

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Wonju Medical Equipment Technology High school visiting ICR for education

The ICR was also meaningful as I met students of Wonju Medical Equipment Technology High school, who are excellent human resources based on various curricula and expertise of medical equipment development.

By taking this opportunity in the future, we will become an ICR that will bring many experiences to future students.

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ISO 19011:2018 Revision

In July 2018, Guidelines for auditing management systems, **ISO 19011:2018** is revised and published.

Followings are the main changes.

- The importance of audit program is emphasized.
- Risk-based approach is adopted throughout the entire audit processes.
- Auditing guidance for the risk-based thinking, context of organization, etc., which are newly introduced by High Level Structure, is clearly explained.

ISO 19011:2018 Revision

ISO 19011:2018 Requirements
3. Terms and definitions
4. Principles of auditing
5. Managing an audit programme 5.1 General 5.2 Establishing audit programme objectives 5.3 Determining and evaluating audit programme risks and opportunities 5.4 Establishing the audit programme 5.5 Implementing audit programme 5.6 Monitoring audit programme 5.7 Reviewing and improving audit programme
6. Conducting an audit 6.1 General 6.2 Initiating audit 6.3 Preparing audit activities 6.4 Conducting audit activities 6.5 Preparing and distributing audit report 6.6 Completing audit 6.7 Conducting audit follow-up
7. Competence and evaluation of auditors 7.1 General 7.2 Determining auditor competence 7.3 Establishing auditor evaluating criteria 7.4 Selecting appropriate auditor evaluation method 7.5 Conducting auditor evaluation 7.6 Maintaining and improving auditor competence

OFFSHORE KOREA 2018

ICR has been designated as **ATEX, ISO 45001, Korean Register of Shipping (KR)** approval testing institute.

ICR will participate in **OFFSHORE KOREA 2018** to provide various services and promote.

The exhibition will be held at **Busan, BEXCO's 1st exhibition hall** from **October 10** to **October 12, 2018.**

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OFFSHORE KOREA 2018

전시회 사전등록 안내

사전등록을 하시면 전시장 입장시 별도의 등록절차 없이 편리하게 무료 입장하실 수 있습니다.

전시회 홈페이지 접속 후 사전등록 신청

(등록마감일: 10월 8일까지)

www.okkorea.org 접속 → 사전등록 → 신규등록

현장등록시 입장료 5,000원 | 사전등록시 입장료 무료

무료참관 사전등록 바로가기 ▸▸

If you **register in advance**, you will be **free** to enter the exhibition hall without a separate registration procedure.

Pre-registration**: https://www.okkorea.org**

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OFFSHORE KOREA 2018

참가업체 미리보기 PREVIEW

OK2018과 함께하는 참가업체를 소개합니다.

Roxtec 록스텍코리아㈜ 케이블 & 파이프 실링 솔루션 www.roxtec.com	BMT ㈜비엠티 산업용 피팅 & 밸브, 전기 분/배전반 www.superlok.com
PANASIA ㈜파나시아 De-SOx System, Ballast Water Treatment System(BWTS) 등 www.worldpanasia.com	PKvalve 피케이밸브㈜ 초저온 버터플라이밸브 www.pkvalve.co.kr
Hy-Lok ㈜하이록코리아 Tube Fitting www.hy-lok.com	KOGAS 한국가스공사 천연가스 제조, 공급 등 www.kogas.or.kr

We introduce exhibitors with
OFFSHORE KOREA 2018

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OFFSHORE KOREA 2018

Ocean Plant Technology Conference (OK Conference 2018)

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OFFSHORE KOREA 2018

Busan, **BEXCO 1st exhibition hall** will be held.

Thank you for your interest and participation.

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CSA Group
Field Evaluation Seminar

Product Safety Compliance in the North American Market

An Introduction to CSA Group's North American Field Evaluation Service

Unique circumstances sometimes make it challenging, impractical, or even impossible for you to undergo the regular certification process. But demonstrating your electrical product's compliance to safety requirements through a field evaluation (FE) may be the solution. This one-time evaluation service is quick and efficient, and helps you get your products into North America when you need approval from local Authorities Having Jurisdiction (AHJ).

During this seminar, our technical experts at CSA Group will provide an in-depth overview of U.S. and Canadian regulations, including SPE 1000 and NFPA 791, to help ensure your products are accepted by state, provincial, and territorial authorities.

CSA Group
Field Evaluation Seminar

Agenda

Topic
General Overview of Model Code (Canada)
Construction Details (SPE-1000)
Testing and Marking (SPE-1000)
General Overview of NFPA-791 (USA)
How to Apply Field Evaluation (FE)
Q&A

Date: 2018. 10. 16 (TUE) 13:00~17:00 (Reception: 12:30~)

Venue: COEX Conference Room (South) 301A
(513, Yeongdong-daero, Gangnamgu, Seoul)

Cost: Free

Host: CSA Group's Korean Office

Register and Contact: Jessie Cho (CSA Group)
(02-6371-6018, Jessie.cho@csagroup.org)

CSA Group Cybersecurity Seminar

Navigating Regulatory Requirements for Medical Devices

Major advances in medical technologies over the last few decades have contributed to early diagnosis of diseases, more efficient delivery of treatment, and longer, healthier lives. Network-connected medical devices in particular are redefining 21st century healthcare. With many life-sustaining and life-supporting medical devices residing on hospital networks – and many more connected wirelessly – the risk for cyber-attack is high, and this could compromise a device's functionality, personal information, and patients' health and safety. Implementing cybersecurity measures for devices and the networks to which they connect is critical, and CSA Group's cybersecurity services can help.

Join CSA Group's Laura Élan, Senior Manager of Cybersecurity as she addresses including :

- Overview of Cybersecurity Regulatory Guidance with an Emphasis on US FDA Pre/Post Market Guidance
- Overview of Cybersecurity Frameworks and Standards to Support Medical Device Manufactures
- Essential Activities for Medical Device Companies to Address Product Cybersecurity
- Introduction to Security Risk Analysis for Medical Device and Software Manufactures

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CSA Group Cybersecurity Seminar

Date: 2018. 10. 25 (THU) 13:30~18:00 (Reception: 13:00~)

Venue: Conference B, SKY31 Convention, 31F,
Lotte World Tower (300 Olyimpic-ro, Songpa-gu, Seoul)

Cost: Free

Host: CSA Group's Korean Office

Speaker: Laura Élan, P.E., RAC,
Senior Manager of Cybersecurity, CSA Group

Laura Élan recently joined CSA Group's Innovation Team as Sr. Cyber security Manager to support several industry verticals including healthc are solutions. Prior to joining CSA Group, she served as the Cybersec urity Practice Lead for UL's Digital Health Service team, supporting me dical device software and solutions customers in meeting regulatory an d business imperatives for software and cybersecurity assurance. Laur a has more than 30 years of software and product development and co mpliance engineering experience, grounded in several decades of seni or leadership roles with R&D and manufacturing organizations, includi ng medical devices, and commercial and consumer electronics compa nies. Laura holds a BSEE from the University of Illinois, Urbana, and a n MSEE from the Illinois Institute of Technology, Chicago. She is curre ntly pursuing a graduate degree in computer science with a focus on c ybersecurity. She is a licensed Professional Engineer in the State of Illi nois and holds the RAC credential from the Regulatory Affairs Professi onals Society.

Register and Contact: Jessie Cho (CSA Group)
(02-6371-6018, Jessie.cho@csagroup.org)

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