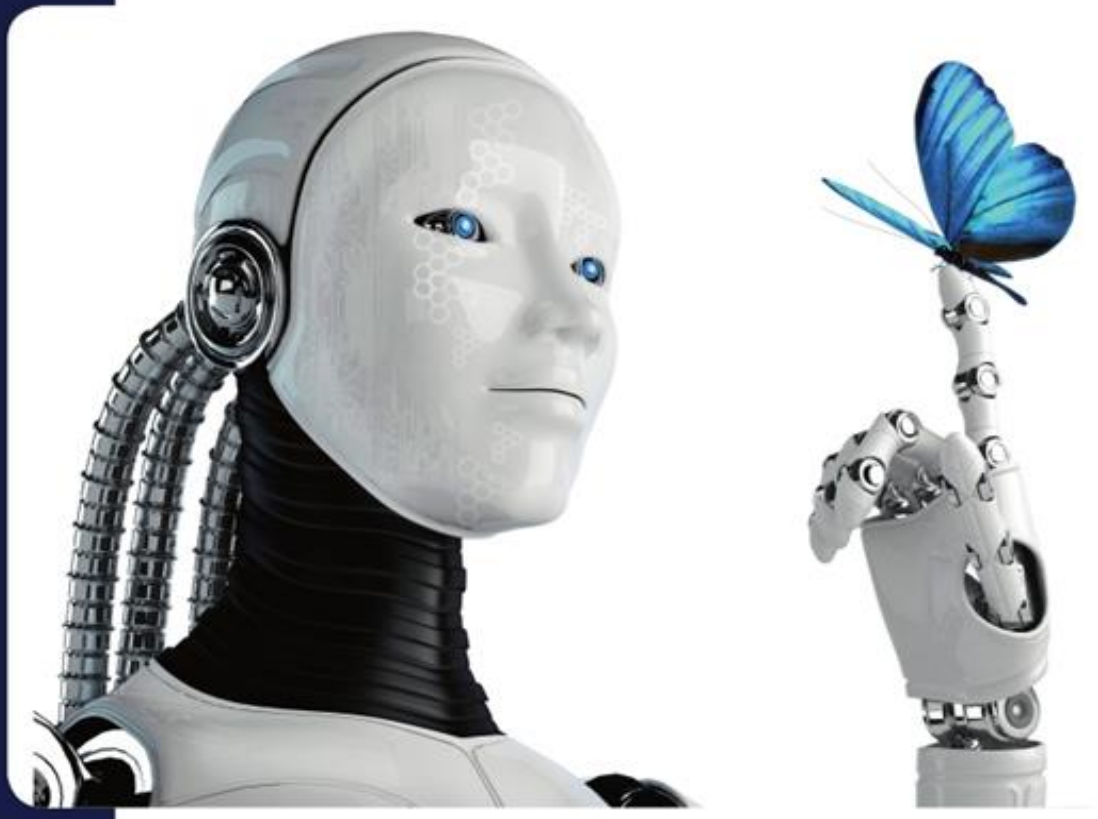
Newsletter
August, 2019

ICR



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Hot Issue

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RRA Completion

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)* : 유선, 무선, 전자파적합성, 전자파강도,
미국 MRA(USA MRA), 캐나다(Canada MRA),
베트남 MRA(Vietnam MRA)

시험항목*(Items of Tests)* : 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.

2019. 7. 16.

국 립 전 파 연 구 원 장

National Radio Research Agency
Ministry of Science and ICT

On July 16, 2018 ICR has been completed **KN 62920** and **KN 301 489-51** additional designation audit and designated by RRA (National Radio Research Agnecy).

IAF MD5 Revision

IAF MD5, which is the standard for determining the quality, environmental and occupational health & safety management system certification audit time, is revised to Issue 4.

As a major amendment, the criteria for determining the audit time of occupational health & safety management system certification audit which was defined by IAF MD22, is integrated into revised IAF MD5 Issue 4. Usually, 1 Man Day audit is 8 hours a day.

The number of employees includes all personnel within the scope of certification; and in the case of occupational health and safety management system, employees of outsourcing companies, that are managed or affected by the organization, are included.

IAF MD5 Revision

To assure the effectiveness of the audit, 0.5 day audit by 2 auditors is less effective than 1 day review by 1 auditor.

Surveillance audit time is performed at 1/3 of the initial certification audit time.

Recertification audit time is performed at 2/3 of the initial certification audit time.

Multi-site sampling is in accordance with IAF MD 11. Unless the scope of management system includes the performance of outsourced activities, it is not necessary to examine the supplier's management system, however sufficient evidence shall be collected on the effectiveness of the management system controlling the outsourcing process.

On-site EMC

On-site EMC?

On-site EMC is an electromagnetic test that is typically conducted when testing is not possible outside the manufacturer's production facilities or installed locations, such as equipment that is difficult to fit into the laboratory or equipment that is difficult to install.

On-site EMC detailed examination

CE

- Conduct the test to demonstrate that the amount of electromagnetic waves emitted through power to the outside within the product's use environment does not affect the external device. Measure the electromagnetic waves emitted from the inside to the outside via the power lines connected to the product.

On-site EMC

On-site EMC detailed examination

RE

- To demonstrate that the amount of electromagnetic waves released by the product to the outside world within the use environment does not affect the external device.

ESD

- This test evaluates whether a product is resistant to static electricity.

RS

- Testing of the immunity of electromagnetic waves emitted within the environment in which the product is used is conducted to demonstrate that it is resistant to broadcast signals and various radio signals.

On-site EMC

On-site EMC detailed examination

Burst

- In the environment in which the product is used, tests are conducted to demonstrate immunity to a burst consisting of a number of rapid transients, such as electrical and electronic power supplies or control terminals.

Surge

- Tests shall be conducted to demonstrate the resistance of the equipment to surges resulting from overvoltages such as lightning within the use environment.

On-site EMC

On-site EMC detailed examination

CS

- Tests to demonstrate immunity to electromagnetic waves that conduct from power within the environment in which the product is used.

Voltage dips and interruptions

- Voltage dips refer to a sudden decrease in voltage at a point in an electrical system, and after a short period of time, tests whether the product is OK with the recovery of the voltage recovers.
- voltage interruptions refer to a sudden decrease in voltage in all phases, and after a short period of time, a product is tested for error when the voltage recovers.

Amendments to the Notice on the Conformity Assessment of Information and Communication Equipment

As of July 24, 2019, some of the notices regarding conformity assessment of information and communication equipment materials have been revised.

Major changes : The 22 kinds of certified equipment have been changed to registered equipment.

※ SAR-applied devices are only applicable to portable devices with antenna power exceeding 20 mW and a radio wave launch center within 20 cm of the human body under typical use conditions.

Amendments to the Notice on the Conformity Assessment of Information and Communication Equipment

Target equipment

물체감지센서용 무선기기(5.8㎓ 주파수 대역)

물체감지센서용 무선기기(10㎓ 주파수 대역)

물체감지센서용 무선기기(24㎓ 주파수 대역)

TVWS 데이터통신용 무선설비의 기기(고정형 기기)

TVWS 데이터통신용 무선설비의 기기(이동형 기기)

레벨측정 레이다용 무선기기(차폐된 구조물에서 사용하는 기기)

레벨측정 레이다용 무선기기(76~81㎓의 주파수를 사용하는 레벨측정레이다)

※ 특정소출력 무선기기(무선랜을 포함한 무선접속시스템용 무선기기) & 특정소출력 무선기기(무선데이터통신시스템용 무선기기) (not apply by the SAR standards) are can be going on registration.

No circuit diagrams and part layout are required as the target device is changed to registration.

Amendments to the Notice on the Conformity Assessment of Information and Communication Equipment

Target equipment

자계유도식 무선기기

특정소출력 무선기기(음성 및 음향신호 전송용 무선기기)

특정소출력 무선기기(이동체식별용 무선기기)

RFID용 무선기기(433㎒ 주파수 대역)

RFID용 무선기기(13.56㎒ 주파수 대역)

USN용 무선기기(917㎒ ~ 923.5㎒ 주파수 대역)

USN용 무선기기(940.1㎒ ~ 964.3㎒ 주파수 대역)

USN용 무선기기(1.7㎓ 주파수 대역)

UWB 기술을 사용하는 기기

용도미지정 무선기기(262㎒ ~ 264㎒ 주파수 대역)

용도미지정 무선기기(22㎓ ~ 23.6㎓ 주파수 대역)

용도미지정 무선기기(57㎓ ~ 66㎓ 주파수 대역)

용도미지정 무선기기(122㎓ ~ 123㎓ 주파수 대역)

용도미지정 무선기기(244㎓ ~ 246㎓ 주파수 대역)

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