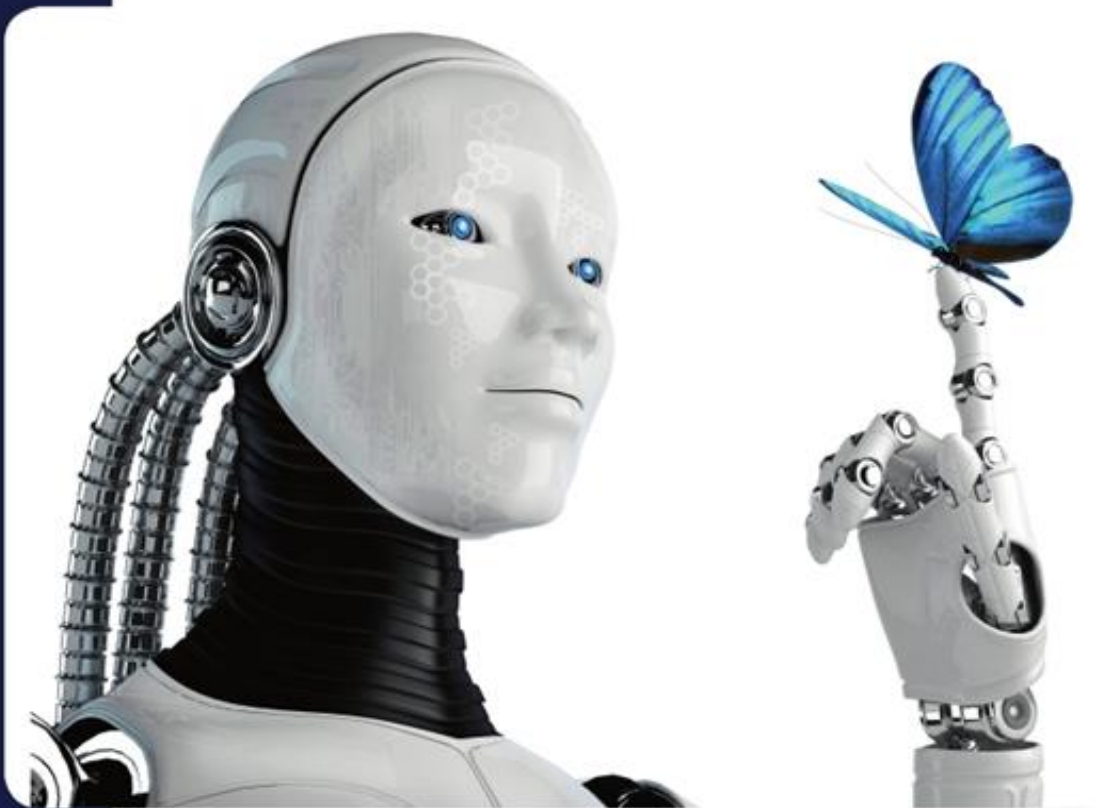


Newsletter

May, 2019



ICR



Hot Issue

1. **KN 41**
2. **About SEMI F47 Service**
3. **Operational document training completion**
4. **IEC 60601-1 Medical device safety test training conducted**
5. **Actions for unethical behavior of certified organization**
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KN 41 Electromagnetic Compatibility Test Methods for Automobile and Internal Combustion Engine Driven Devices



Broadband / Narrowband Electromagnetic Interference Measurements for
Electrical and Electronic Components

KN 41 is designed to prevent unintentional emission of automobiles from affecting the electric or electronic equipment of the vehicle or the nearby automobile or the area due to unintentional emission of the automobile and to protect the functions related to the automobile operation and the operators, passengers and other car users from electromagnetic waves.

KN 41 Electromagnetic Compatibility Test Methods for Automobile and Internal Combustion Engine Driven Devices



**Broadband / Narrowband Electromagnetic Interference Measurements for
Electrical and Electronic Components**

Broadband / Narrowband Electromagnetic Interference Measurements for Electrical and Electronic Components

-Broadband electromagnetic disturbance measurements on electrical and electronic components can be used to detect broadband electromagnetic emissions from electrical and electronic components such as ignition systems and electric motors.

And narrowband electromagnetic interference measurements are based on microprocessor based Measure narrow-band electromagnetic emissions from electrical and electronic components of the system.

KN 41 Electromagnetic Compatibility Test Methods for Automobile and Internal Combustion Engine Driven Devices



Over-Conduction immunity test of power line of electric / electronic device parts

-It is intended to evaluate the over-conducted resistance of electrical and electronic components / systems to transient transients entering the power line for electrical and electronic components.

Electrical and electronic device parts Conductive transient voltage test

-This is for regulating the transient voltage induced in the power supply line by the inductive load component in the electric / electronic device part.

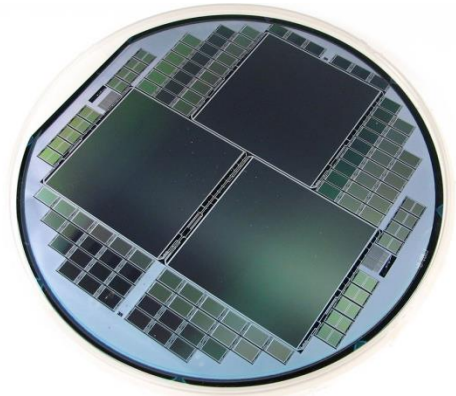


Over-Conduction immunity test of power
line of electric / electronic device parts

About SEMI F47 Service



Equipment for semiconductor processing requires high power quality, because It is susceptible to voltage drop (voltage sag) due to sensitivity. The effect may be small in general devices, the precision instruments, such as semiconductor equipment, are inevitably damaged.



Equipment down due to momentary power shortage.,
Equipment down due to voltage TRIP circuit. TRIP caused by unbalance in 3-phase system. It may cause a down due to too sensitive EMO relay, which may increase the error rate in process and damage wafer etc..

About SEMI F47 Service



SEMI F47 is a specification for clarifying the voltage drop capability required for semiconductor process equipment, weighing equipment and automated test equipment.

ICR provides **standard evaluation and evaluation service for SEMI F47.**

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.


Operational Document Training Completion



Operational Documents & Guides

KTR 산하 CBTL [ICR] OD 교육 실시

- **일 시** 2019년 04월 25일 목요일
- **장 소** 경기도 김포시 양촌읍 황금3로 7번길 112 (주)ICR 5층 세미나실
- **강 연 자** 조윤행 과장
- **교육 내용**
 - OD-2020 / TRF - 개발, 유지 보수 및 사용
 - OD-2044 / 의료 전기 장비의 위험 관리 지침
 - OD-2055 / IEC 60601 및 IEC / ISO 80601 표준 시리즈에 따른 CB Scheme 의료용 전기 기기 문서



ICR has taken Operational Document training from KTR, the NCB, to provide more in-depth and high-quality test services to customers. The training format was briefly described and discussed, The training format was followed by a discussion after a brief training, and we had a deep conversation about the questions that might arise from writing tests and reports.

Operational Document Training Completion



The education was conducted by KTR manager Cho Yoon-haeng.

She is an expert who knows more about OD (Operational Document) published by IECEE.

The OD (Operational Document) provides the role of the Guide to properly conduct tests on standards and its presentation of evaluation methods, as well as the criteria used to produce a report

Operational Document Training Completion



Through this training, the ICR became more advanced to perform its work as a CBTL by fully understanding the Operational Document.

The ICR will always guide you to ensure that you are correctly applied to standards, We will try to publish a reliable report as we do not miss out on the small parts regarding the test service.

IEC 60601-1 Medical device safety test training conducted



At the request of the company on April 3, the ICR Medical Devices team educated on IEC 60601-1.

The training title was IEC 60601-1 Medical Device Safety Test Training, focus on the principles and over all understandings of common standards.

Operational Document Training Completion



The training was conducted for two days. Team manager Jin-hyeon Kim and manager Won-bok Choi visited the company to explain in detail IEC 60601-1.

This time ICR and the company that has taken training made it a meaningful time for each other.



Actions for unethical behavior of certified organization

IAF has decided at the IAF forum that sanctions will be strengthened for certified organizations whose intentional misconduct has been confirmed.

- This includes deliberate fraud committed by certified companies in relation to the scope of the certification.
- If a fraud is reported and recognized, comprehensive investigation activities will be required by accreditation body, national accreditation body or certification body.

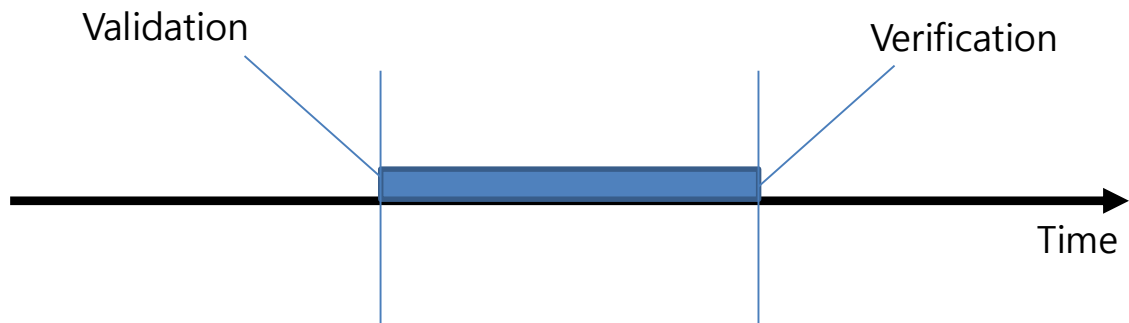


Actions for unethical behavior of certified organization

- The followings are the expected actions of the certification body for certified organizations whose fraud has been confirmed.
 - Immediate revocation of certification
 - Prevent certification application for one year
 - Initial certification procedure after the action
- These actions will be mandated by amending IAF MD7.

Validation and Verification

- Validation and verification is not a concept of 'periodical assurance'; because, it is an assurance of conformity at a specific time.
- Since there is no assurance period, follow-up management is unnecessary.
- The evaluation of validity of future work is called "validation", and the evaluation of what has already happened is called "verification".



- Recently, ISO 17029, general principles and requirements for validation and verification bodies is under development at the Draft International Standard(DIS) stage.



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ICRO-31/R20161125 본 문서는 법률 제 14088호 저작권법의 보호대상이며, ICR의 지적 자산으로 불법 편집 및 복사를 금합니다.

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