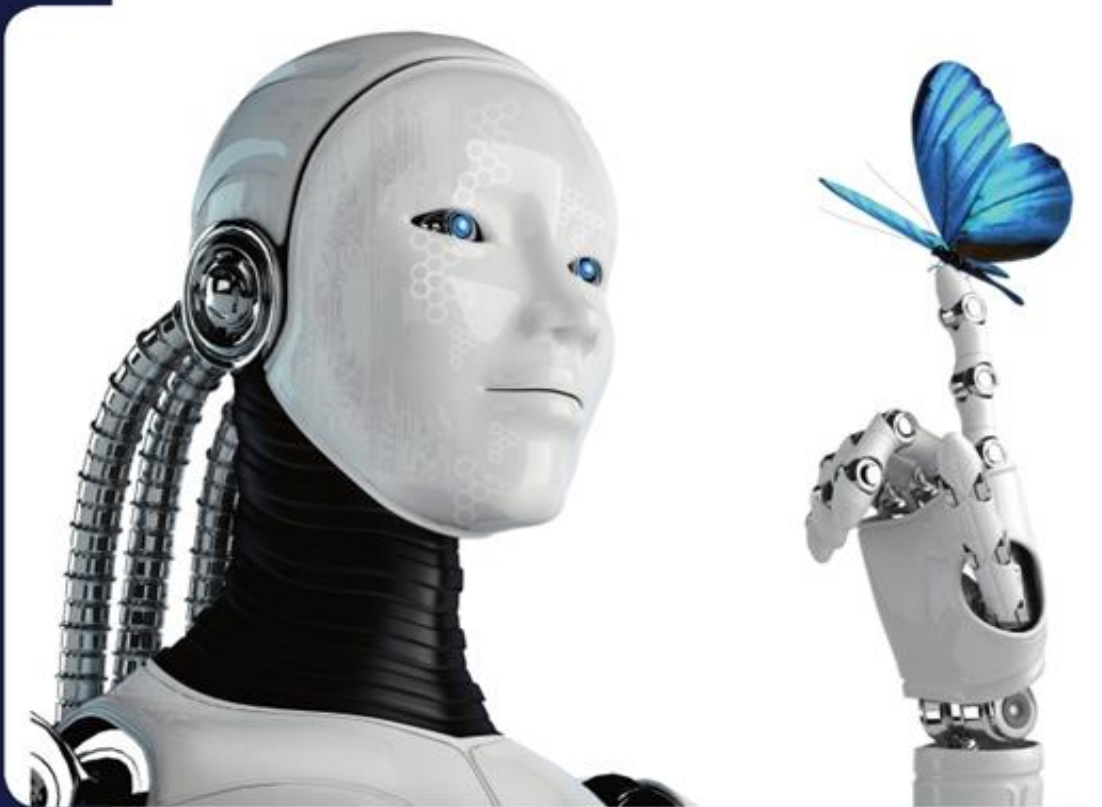


# Newsletter

## February, 2022



# ICR



# Hot Issue

1. 2022 1st Auditor Training Course Plan
2. ICR Polska is the first in Europe to obtain the status of a Notified Body regarding Drones
3. SEMI S23-1021 Energy, utilities, and materials usage efficiency of semiconductor manufacturing equipment
4. 5G mobile communication allocation condition fulfillment check criteria confirmed





# 2022 1<sup>st</sup> Auditor Training Course Plan

- ICR International Certification Registrar Ltd. Is an auditor training provider directly registered to Exemplar Global.
- ICR plans to hold an **auditor training course in Feb 2022.**
- Through the AU, TL, QM, EM, OH, ABMS and MD courses, all the trainees will be conducted so that the one's can be qualified for each module.
- Our training teaches auditors how to provide impartial audits based on objective evidence.

※ The detailed schedule of the auditor training course in February 2022 is as follows. (Remote ZOOM training)

AU/TL	Feb 07~09(3 days)	8 hours/1 day, total 24 hours (3 days)
QM	Feb 10~11(2 days)	8 hours/1 day, total 16 hours (2 days)
EM	Feb 14~15(2 days)	8 hours/1 day, total 16 hours (2 days)
OH	Feb 16~17(2 days)	8 hours/1 day, total 16 hours (2 days)
ABMS	Feb 21~22(2 days)	8 hours/1 day, total 16 hours (2 days)
MD	Feb 23~24(2 days)	8 hours/1 day, total 16 hours (2 days)

**\* Training schedules may change depending on the Covid-19 situation.**

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# ICR Polska is the first in Europe to obtain the status of a Notified Body regarding Drones



- **ICR Polska** is the first in Europe to obtain the status of a **Notified Body** in the scope of Regulation (EU) 2019/945 regarding Unmanned Aircraft Systems (**UAS - drones**).
- **ICR Polska (European Notified Body No.2703)** has been **approved** as **Notified Body** to provide both test and EU-Type Examination service by **Polish Centre for Accreditation (PCA)** as **capable of conducting conformity assessment** of **Unmanned Aircraft Systems(UAS – drones)** according to the Regulation (EU) 2019/945 with 2020/1058 amendment.
- **ICR Korea** is a **comprehensive testing laboratory** and as a designated testing laboratory by ICR Polska, we **provide one-stop drone certification service**.

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# ICR Polska is the first in Europe to obtain the status of a Notified Body regarding Drones



■ In accordance with Regulations (EU) 2019/945 and 2019/947, Unmanned Aircraft Systems (UAS) are.

## ■ **Open category**

The open category addresses the lower-risk civil drone operations in, where safety is ensured provided the civil drone operator complies with the relevant requirements for its intended operation. This category is subdivided into three subcategories, namely A1, A2 and A3, depending on the operating conditions. Operational risks in the 'open' category are considered low and, therefore, no operational authorization is required before starting a flight.

## ■ **Specific category**

The specific category covers riskier civil drone operations, where safety is ensured by the drone operator by obtaining an operational authorization from the national competent authority before starting the operation.

To obtain the operational authorization, the drone operator is required to conduct a risk assessment, which will determine the requirements necessary for the safe operation of the civil drone(s). In this category, Regulation (EU) 2019/945 together with 2020/1058 specifies two classes, C5 and C6.

# ICR Polska is the first in Europe to obtain the status of a Notified Body regarding Drones



## ■ Certified category

In the certified category, the safety risk is considerably high; therefore, the certification of the drone operator and its drone, as well as the licensing of the remote pilot(s), is always required to ensure safety. The requirements of Regulation (EU) 2019/945 do not apply to aircraft of the certified category.



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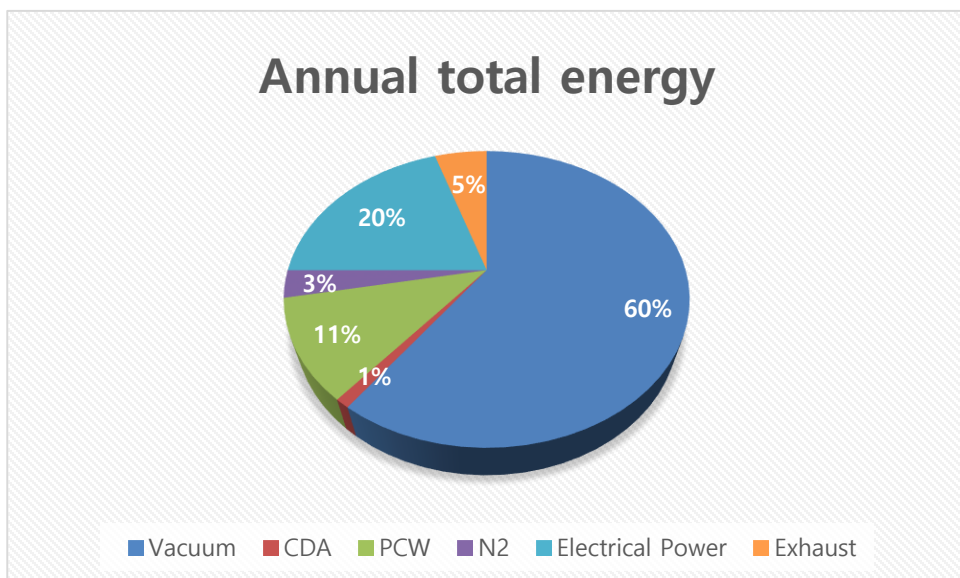
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# SEMI S23-1021



## Energy, utilities, and materials usage efficiency of semiconductor manufacturing equipment

- SEMI S23-1021 proposes a measurement method to analyze the **energy, utility, and materials use efficiency** of semiconductor manufacturing equipment.
- The purpose is to measure and convert energy emitted from electricity, utilities, and materials to identify energy efficiency, **increase energy efficiency, and reduce annual energy.**
- ICR can measure the amount of materials and energy used in semiconductor manufacturing equipment, and measure the **energy efficiency consumed by the annual equipment** presented in SEMI S23-1021.



# SEMI S23-1021



## Energy, utilities, and materials usage efficiency of semiconductor manufacturing equipment

### <Measuring Equipment>



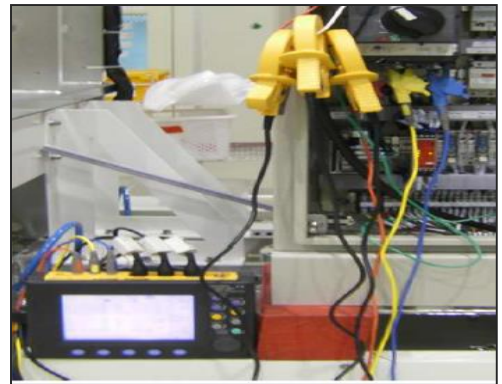
Mass flow meter



Electromagnetic flow meter



Airflow Meter



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# 5G mobile communication allocation condition fulfillment check criteria confirmed



- On December 30, **the Ministry of Science and ICT** established the criteria for the implementation of the 5G mobile communication assignment conditions by comprehensively considering the frequency characteristics and market environment.
  
- **First**, a comprehensive evaluation system was prepared that linked the allocation conditions and sanctions in the allocation notice.  
In order to faithfully fulfill the fulfillment obligations according to the announcement of the allocation, if it does not exceed 10% of the amount of network establishment, which is the reason for the cancellation of the allocation, it is impossible to enter the actual evaluation process.
  
- **Second**, it was made to be an effective evaluation by reflecting the standards suitable for the frequency characteristics such as national network/sub-network, B2C/B2B, etc.  
In order to reflect the public's service experience in addition to complying with the existing frequency usage plan (based on 17 metropolitan governments), the 3.5GHz band applies the standards of 229 basic municipalities in parallel.  
The 28 GHz band has been strengthened as a check index suitable for each frequency characteristic by adding more wide-area (6 large-area) standards.

# 5G mobile communication allocation condition fulfillment check criteria confirmed



- **Third**, we have prepared standards to flexibly accommodate the market environment and to continuously encourage network investment.

In order to take into account the supply and demand conditions of equipment and terminals, the deduction of points was strengthened in the late period compared to the initial period of service.

In addition, the recognition of mandatory nationality for the 28GHz subway Wi-Fi joint construction, a suggestion of the three telecommunication companies, contributes to the reduction of the communication cost burden by providing free, high-quality services regardless of the telecommunication company's revenue in terms of public convenience, Cases of similar recognition of joint construction, It was decided to accept it in consideration of expert advice that the feasibility is recognized in terms of efficient network investment and service provision.

- The Ministry of Science and ICT will submit the performance results from the 3rd year of network establishment (1919 to '21) by the end of April, '22, and go through on-site inspection and evaluation committee to derive the final result. If the quantity is less than 10% or the evaluation score is less than 30 points, sanctions such as cancellation of allocation will be taken.

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