ANF **2023**
ANNUAL REPORT

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Contents

Greetings

Asia Network Forum(ANF) is ready for the future and will lead the future technology changes.

Hello, everyone. This is Se-Jong Kim from Korea Testing Laboratory (KTL), I have been nominated as an ANF president starting from last April. I am honored to be joining as a president of a historical organization that has actively participating members.

We're pleased to release our first Annual Report of ANF this year. From this report, we'd like to share what ANF is doing to keep the standards up-to-date to benefit our customers by dealing with new technologies and cooperating with ANF member organizations. Also, we hope you can better understand our member organizations with this report.

ANF has a firm fountain with 20 years and more of bonding. Looking back on our history, we have always cooperated to cope with the changes and prepare for the future. We believe that constantly using our abilities together with members will make our future brighter.

In this era, we face the fourth industrial revolution, post-COVID-19, and more. More difficult situations will continue in the unforeseen future. To cope with the challenge, we should learn from history by reflecting on the past and seeing how we went through it together. We hope that this report can be an opportunity to suggest a direction for our future actions when difficulties arise.

ANF will try to enlarge our Forum to engage more Asian countries and organizations for the future vision. Starting with this Annual Report, we will invest more to promote the ANF activities.

Mr. Se-Jong Kim, ANF President (KTL President)

ANF contributes the facilitation of product distribution in Asian region

ANF has been reporting its activities through only websites, in addition to them, ANF publishes the Annual Report from this year.

I have deeply been involved in the ANF activities for about ten years and was appointed ANF vice president of last year. During these years, innovation of electrical products is remarkable, and East/Southeast Asia region have become the center of design and manufacture of industrial products distributed globally as well as expanding as the huge market.

ANF is the network forum having close cooperation among six certification bodies which represent China, Chinese Taipei, Japan, Korea, Vietnam and Singapore. Utilizing this network, ANF has promoted the mutual recognition of test results between the Member certification bodies and made efforts to provide our customers performing a business of manufacture and sales widely in the region with speedy and efficient conformity assessment services. Through these activities, we believe ANF could come to play a key role in advancement of product safety or facilitation of international product distribution.

Now, new products designed by the state-of-the-art technologies are born in succession and are expanded globally, and the method of objective evaluation and certification to show safety and quality of products is advanced simultaneously.

ANF strengthens the network and challenges to provide new services that the ANF customers and markets demand. At this opportunity of publication of the ANF annual report, we wish you to know ANF further and utilize its services more.

Mr. Noriaki Kobayashi, ANF Vice president(JQA Chairman)

General Information of the ANF

Asia Network Forum(ANF) has 24 years of history. Asia Network Forum was established by CQC(China), ETC(Chinese Taipei), JQA(Japan), KTL(Korea), and TÜV SÜD PSB(Singapore) in 2000 and joined by QUATEST 3(Vietnam) in 2009 to promote the coalition of Asian certification/testing organizations which represents each Asian economy.

We aim to provide benefits for the industry in the Asian economies by achieving the ANF's objectives and plans as follows.

1. Providing convenient and quick certification services for businesses
2. Enhancing technological capabilities through information sharing between member organizations
3. Developing a system to promote mutual recognition and expand the certification market
4. Reflection of common opinions from the Asian region within international consultative bodies such as ISO and IEC

We have 5 committees actively participating in mutual recognition of the application services, and test reports to benefit ANF member organizations and customers.

Committee	Name of the Committee	What we do
C1	Policy and Rules	Deals with establishing and updating policies and rules for ANF operations and organizations
C2	Promotion and Marketing	Works to promote ANF activities to members' clients, member candidates, and other competitions
C3	Electrical Safety	Sharing both international and domestic regulations and/or standards procedures, and requirements to enhance the technical competencies and capabilities of member organizations through cooperation
C4	Environment & Energy	Discusses current and future environmental issues such as net-zero, carbon neutrality, carbon footprints, and energy efficiency market trends
C5	Factory Inspection & EMC/RF	Creates common procedures and documents to conduct factory inspection processes required for ANF activities and mutual acceptances Sharing of EMC and RF trends with member organizations

Also, there are YEP(Young Expert Program) and NN(New Normal) Task Force groups in ANF.
YEP intended to develop international leadership skills, foster collaboration, and promote the ANF brand globally from young experts.

New Normal was established as an ad hoc group within C1 in 2022 during the pandemic. The New Normal group is to find the direction of the new business. Member organizations can propose new business ideas and they can be transferred and developed by the suitable committees.

During the year, we have an Ad-Hoc meeting, the YEP Program, General Assembly.
The Ad-Hoc meeting is usually held in July, we bring the items to the table. New trends, regulations, and ideas are welcomed to share during this time. Mostly the Ad-Hoc meeting is held in person but due to the circumstances, it could be held also virtually when members have agreed. In 2023, we held a meeting virtually but in 2024, we're expecting to have a meeting in Vietnam hosted by QUATEST 3.
The YEP, each member will choose their young experts and the participants will gather together and exchange their knowledge in September. The hosting country is decided by the alphabetical order. In 2023, the YEP program was held hybrid. Offline participants gathered in Korea hosted by KTL, online participants joined via Zoom. In 2024, ETC will host a YEP program in Chinese Taipei.
Our biggest event, **General Assembly(GA)** is held around mid-to-late November or early December. During the GA, we approve the minutes

from the Ad-Hoc meeting and bring up the new ideas as well. In the GA period, we do have a meeting with each committee and then have a GA meeting. Each committee chair and the task force chair/convenor will report the committee report and the future action plans to the president. Member organizations also report ANF-related business outcomes such as the issue/recognition of the test report based on MLA and/or IECEE CB, ANF demands for ANF services. After reporting agendas, the president will give final approval and nominate the future hosting organization of our upcoming events. In 2023, CQC from China hosted the GA meeting in Kunming, China.

Mr. Se-jong Kim from KTL(Korea) succeeded in the president role from JQA(Japan) in 2023. Mr. Noriaki KOBAYASHI from JQA became a vice president in the year 2023. We're expecting JQA to host the 2024 GA meeting.

[History of the ANF General Assembly]

Meeting	Year/Month	Venue
1st GA	2000. 10	Japan(Tokyo)
2nd GA	2001. 08	Singapore(Singapore)
3rd GA	2002. 10	Korea(Seoul)
4th GA	2003. 11	China(Beijing)
5th GA	2004. 11	Singapore(Singapore)
6th GA	2005. 11	Japan(Kyoto)
7th GA	2006. 10	Korea(Jeju)
8th GA	2007. 11	Chinese Taipei(Taipei)
9th GA	2008. 11	China(Zhongshan)
10th GA	2009. 11	Singapore(Singapore)
11th GA	2010. 11	Japan(Tokyo)
12th GA	2011. 11	Vietnam(Ho Chi Minh City)
13th GA	2012. 12	Chinese Taipei(Taipei)
14th GA	2013. 11	Korea(Daegu)
15th GA	2014. 12	China(Chengdu)
16th GA	2015. 11	Singapore(Singapore)
17th GA	2016. 11	Japan(Tokyo)
18th GA	2017. 11	Vietnam(Ho Chi Minh City)
19th GA	2018. 11	Chinese Taipei(Taipei)
20th GA	2019. 11	Korea(Pusan)
21th GA	2020. 11~2020. 12	Document approval
22th GA	2021. 11~2022. 01	Document approval
23th GA	2022. 11~2023. 01	Document approval
24th GA	2023. 11	China(Kunming)

※ 21~23th GA didn't held face-to-face meeting due to COVID-19

Introduction of the ANF member organizations

01 China Quality Certification Centre

China Quality Certification Centre(CQC) is a quality service body approved by the Chinese government. It is affiliated to CCIC, and recognized by many governments and international authorities, providing Chinese solutions and enhancing mutual trust across the World.

CQC is a member of major international certification organizations, and the national certification body(NCB) participating in the International Electrotechnical Commission for Electrical Equipment and Components (IECEE) on behalf of China.

CQC has always been committed to actively responding to governmental initiatives and policy guidelines through certification, testing, standard drafting and other professional services to help customers improve the quality of products and services. CQC also provides certification services with which as the fundamental reference for implementing national quality improvement, industry management and other policies, promotes the construction of a market credit system and a harmonious society, and advance high-quality development.

CQC actively expands cutting-edge business(fields), such as carbon peak and carbon neutrality, new infrastructure, intelligent manufacturing, green production, Internet of Vehicles (IoV), elderly care services, public emergencies, and ecological value, constantly creating new advantages.

02 Taiwan Testing and Certification Center

Taiwan Testing and Certification Center (ETC) stands for safety, productivity and quality in all areas of business and life ever since its founding in 1983.

To be relevant and recognized as an excellent provider of standardization, calibration, metrology, testing, conformity assessment, certification, inspection, professional training, consultancy and proficiency testing, impacting society, its well-being, prosperity, and sustainability, both nationally and internationally, to fulfill the requirements and at the request of authorities, organizations and businesses. ETC stives for greatness to create value through safety, health, performance, and more efficient use of the planet's resources that support our customers' product innovation and business growth.

Recently, ETC has been providing a broad range of technical service and continuing its efforts to collectively look toward new frontiers, enhancing technologies in the fields of low-carbon manufacturing and green energy; and expanding its business territory to the enablement of 5G, new mobility solutions and renewable energy.

Looking ahead, ETC will continue to help our customers innovate, launch new products and services, navigate global markets, and grow sustainably into the future.

03 Japan Quality Assurance Organization

Japan Quality Assurance Organization(JQA) was established in 1957. It is currently the top third-party certification body in Japan. As a fair and neutral third-party organization, JQA provides testing, inspection, certification, and other services in a variety of fields in response to the needs of the times and society, providing people with the confidence of safety and security and JQA's mission is moving forward into the future.

JQA is providing a wide variety of conformity assessment services such as testing and certification of products, certification of management system, traceability calibration of measuring equipment, evaluation of environmental issue and security etc, JQA is also a conformity assessment body based on Japanese law and an S Mark certification body which is a third-party certification system for electrical products distributed in Japan.

In addition, JQA positively promotes mutual acceptance of test results and application agency services with foreign certification bodies through IECEE-CB, IECQ, ANF Network, Governmental MRA and MOU between certification bodies, and these are utilized from many customers and rated high.

Under the brand slogan of reliable trust and a brighter future, JQA will continue to provide seamless services for tests, certifications and evaluation globally. We will continue to provide trust to our customers.

04 Korea Testing Laboratory

Korea Testing Laboratory(KTL) improves the nation's industrial competitiveness and citizens' quality of life through comprehensive product testing and certification and technological support services.

KTL is the only public testing and certification organization in Korea established in April 1966, which contributes to securing public safety, improving corporate competitiveness, and increasing exports by objectively and accurately verifying if the corporate R&D outcomes meet the performance and safety requirements in domestic and overseas markets. We conduct tests and issue certifications in public safety areas such as electrical safety, medical devices, industrial safety on Explosion-Proof, Software, environmental facility testing, national safety on Electromagnetic conformance testing, nuclear power plant devices, railways, aviation, and more.

KTL provides overseas certification support and consulting services through the KTL global network by concluding MoUs with foreign partners. It contributes to the development of new technologies and pioneering new markets for SMEs and venture companies to faster time-to-market with reduced cost. Moreover, KTL is enhancing national industrial competitiveness and also empowering greater values to the local community by closely communicating.

05 TÜV SÜD PSB Pte Ltd

TÜV SÜD PSB Pte Ltd(TÜV SÜD PSB) previously known as PSB Corporation is a wholly owned subsidiary of TÜV SÜD AG. With a sterling record of over 50 years, TÜV SÜD PSB over the years has worked with companies across sectors to help them achieve business excellence. It specialises in testing, certification, auditing and training services.

TÜV SÜD PSB is accredited under the Singapore Accreditation Council Singapore Laboratory Accreditation(SAC-Singlas) to ISO/IEC 17025 and is also accredited by the Singapore Accreditation Council(SAC) for ISO/IEC 17065 and ISO/IEC 17021-1.

Through more than 26,000 employees across over 1,000 locations, the company adds value to customers and partners by enabling market access and managing risks. By anticipating technological developments and facilitating change, TÜV SÜD inspires trust in a physical and digital world to create a safer and more sustainable future.

06 QUALITY ASSURANCE AND TESTING CENTER 3

Quality Assurance and Testing Center 3(QUATEST 3) is a science-technological organization under The Directorate For Standards, Metrology And Quality(STAMEQ) - Ministry Of Science And Technology (MOST). QUATEST 3 was established in 1975 by the Decision of Minister of State Science and Technical Committee. QUATEST 3 has thrived to be one of the leading organizations in Viet Nam, which is specialized in providing services in the fields of standards, metrology, and quality to serve State management activities as well as requirements of organizations and businesses.

QUATEST 3 always accompanies business in increasing quality and safety requirement on products, protecting consumers' benefits in line with the country's development orientation, and positively contributing to the social - economic growth of the country.

QUATEST 3 has a team of technical officers and consultant experts, working under its organizational structure composing of 15 testing laboratories, 7 metrological laboratories, 6 inspection departments (inspection, assessment, product certification; management system certification); a subsidiary of Productivity & Quality Center and Testing Service Center.

Summary of the Ad-Hoc meeting

NN(2023. 05. 18): **New Normal**

What we do on the Ad-Hoc meeting

Ad-Hoc meetings are one of the biggest activities as mentioned in [General Information of the ANF].
We want to show some activities of the Ad-Hoc meeting, in 2023.

The ANF Ad-Hoc Group Meeting, titled "New Normal", was established as an Ad-Hoc group within C1. The group held its initial meeting in 2022 and subsequently conducted its first meeting in 2023.
To summarize the meeting, 4 items below are the main subjects.

1. Discussing the qualifications and responsibilities of the expert group members
2. Setting specific deadlines for each task and discussing potential roadblocks and solutions
3. Develop a communication plan to keep all members informed of progress and updates
4. Consideration of potential partnerships or collaborations with other organizations to achieve the plans set by the task groups
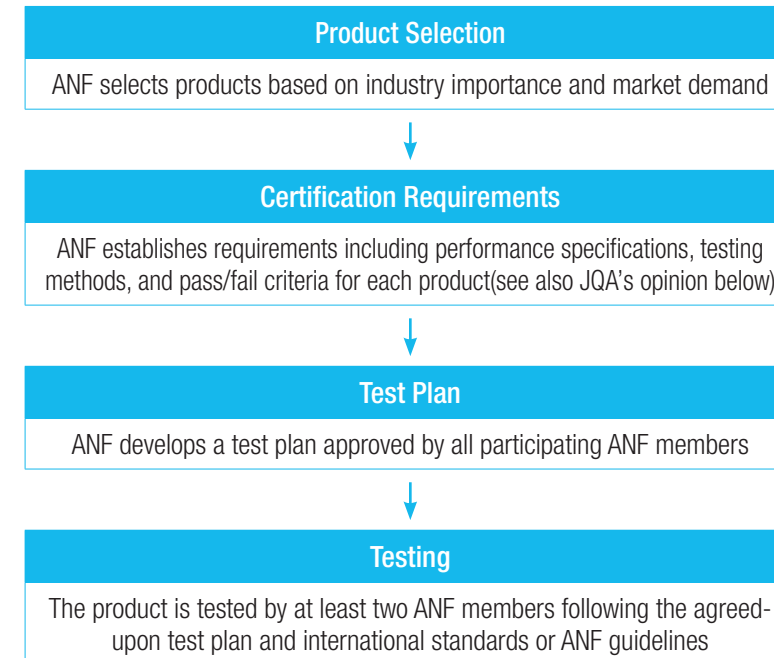
7 topics were discussed during the meeting.

01 Development of Joint Business among ANF Members

Korea Testing Laboratory(KTL) proposed the development of a certification scheme, which involves at least two or more ANF members collaborating to evaluate a product's common function.
Some of the proposed testing and certification processes for ANF are as follows:

Product Selection
ANF selects products based on industry importance and market demand

↓

Certification Requirements
ANF establishes requirements including performance specifications, testing methods, and pass/fail criteria for each product(see also JQA's opinion below)

↓

Test Plan
ANF develops a test plan approved by all participating ANF members

↓

Testing
The product is tested by at least two ANF members following the agreed-upon test plan and international standards or ANF guidelines

To promote the ANF certification scheme, the following steps can be taken:
- Develop a marketing campaign targeting the manufacturing industry and potential customers, emphasizing the benefits of the ANF certification scheme.
- Utilize social media platforms(Twitter, LinkedIn, Facebook) to share information about the certification process, success stories, and customer testimonials.

Mr. Shigeyuki KONDO from JQA expressed concerns about the difficulty and burden of developing a certification system based on ISO/IEC 17065.
The suggestion was made to issue test reports through joint operations only, and it was acknowledged that ANF members may require additional time to establish this certification system.

02 Issuing of ANF Reports

KTL proposed the publication of an annual report called the "ANF Report". The report will cover various aspects related to ANF activities, including member introductions, regulatory updates, new technology

and services, standard interpretation among ANF members, consumer reports, and recognizing outstanding contributors.

03 Sharing of the New Technology and Standard Information

The meeting discussed the importance of ANF continuing and expanding its functions for sharing new technology and standard information. It was agreed that this would help identify new technology trends in the fields of standardization and conformity assessment.

04 Strengthen Regulatory Response

The group discussed the importance of strengthening ANF's regulatory response worldwide and identified key actions to establish a regulatory intelligence network among ANF members. The network would enable members to respond effectively to regulations and support industries in entering different markets.

05 Mutual Recognition

The establishment of a transparent accreditation process, communication, and engagement with relevant government authorities were highlighted as crucial elements in building trust and confidence. Further discussions will be exchanged during the upcoming C1 online meeting.

06 International Leadership

The group discussed the importance of fostering international leadership within ANF and proposed the ANF Young Expert Program (YEP) as a means to achieve this.
ANF members are encouraged to support the program by volunteering as mentors and promoting it to potential applicants.

07 Joint Marketing and Promotion

The meeting emphasized the need to develop a customer service function to address grievances and share them among members.

Several methods were proposed, including establishing a customer service center, conducting surveys, monitoring social media, and utilizing collaboration tools.

NN members will continuously review and promote action items, and will discuss with C1 for the financial support for conducting actions related to the New Normal plan.
At the GA meeting in November, the decision was made to promote ANF services to the customers. The New Normal group agreed to publish an ANF report and C2 will continuously follow the agenda.

Summary of the Ad-Hoc meeting

C3(2023. 06. 19): **Electrical Safety**

C3 Chair: Mr. Tae-seung Song(KTL)
C3 Secretary: Mr. Jin-yong Kim(KTL)

C3 deals with electrical safety, including TRON&OFF, HOUS, Components, and Miscellaneous.

C3 Chair Mr. Song from KTL delivered the opening address of the 2023 first C3 online meeting and his first term as a C3 chair. C3, all ANF members who participated in the meeting introduced themselves from each location including new delegates from each organization.

The secretary, Mr. Kim approved the draft agenda, which will be discussed today. C3 members reviewed the last minutes of "3.0 GA Report (C3 2022)_C3" which was held virtually in 2022, and got approved without comments.

Each member organization of C3 prepared documents about current issues of member countries as mentioned in the Draft Agenda.

01 JQA(JAPAN) – Non Conformity Reports(NCR), Proficiency Testing Program(PTP)

JQA introduced NCR cases and PTP results in Japan. JQA showed market surveillance cases the ratio of nonconformity. Mostly, the nonconformity came from technical issues, but the marking is also the key to nonconformity cases. As a technical nonconformity example, JQA introduced the sample with a short insulation distance and short cable length caused the nonconformity in earthing mechanisms. PTP results showed that it has all passed from JQA Toyko and Osaka.

Lastly, shared about which technical standards are updated this year in Japan. For example, the J62368-1(2023) is equivalent to IEC62368-1(2018), which is valid immediately from the announcement date, May 1, 2023.

02 QUATEST 3(VIETNAM) – Energy Efficiency

QUATEST 3 introduced Energy efficiency regulation in Vietnam. Sharing Decision 14/2023/QD-TTg(24th May 2023), which aims to eliminate low-efficiency equipment. The decision added some new regulated products including infrared hotplate and induction hotplate. Starting from April 2025, those items should meet the standard, TCVN 13373:2021 and TCVN 13372:2021. The version of the standards from some products will be changing from April 2025 including refrigerators, coolers, storage water heaters, air conditioners, and television.

03 CQC(CHINA) – updates of AV, IT, and Telecom standards

CQC shared updates on CCC certification and the recognized standards. Some products are no longer subject to mandatory certification, CCC, including audio power amplifiers, electronic organs, cordless telephone terminals, data terminals, and multimedia terminals. On the other hand, some products are subject to mandatory certification, including mobile power supplies, lithium-ion batteries and battery packs for portable electronic products, and power adapters/chargers for telecom terminal products.

CQC shared how CB reports and certifications are recognized by CCC. And last, showed new projects in some product groups such as internal power supply, and electronic sports display. C3 members asked what Electronic Sports Display is and CQC answered it means E-Sports displays. CQC is currently making new projects by using GB and CQC standards to implement rules starting with CQC.

04 KTL(KOREA) – NCR

KTL introduced NCR cases of HOUS equipment AV, and IT equipment. KTL introduced the NCR case on the construction part, the standard requires the product Spacers intended to prevent the appliance from overheating walls shall be fixed so that it is not possible to remove them from the outside of the appliance by hand or using a screwdriver or a spanner. But there was a product that could be removed from the outside with a screwdriver, which cannot comply with the standard.

After sharing the current issues, KTL brought up a discussion on the Integrated Mark of ANF member bodies.

KTL shared the idea of an Integrated Mark by using an example of the KTL Mark in South Korea. KTL Mark is a voluntary mark, which mainly focuses on the performance test. The mark has some demands from the home shopping companies and distribution companies, where KTL tries to meet their needs by providing tests and certification. The idea of Integrated Mark of ANF is also a voluntary certification system that can be used in the field of performance tests. If needed, further discussion will be held on the C1 group. A detailed document is provided to each member.

KTL Mark Use case
(Home shopping & Distribution companies)

1. KTL Mark(Voluntary Certification)
- Purpose: To Increase the consumer confidence in products and secure corporate value of manufacturers and suppliers through the KTL voluntary certification system
- Clients: Home shopping companies and Distribution companies

2. As Is vs To Be

Items	As-Is(Past model)	To-Be(Current model)
Scheme	Based on manufacturer's request	KTL Voluntary certification
Test	Safety test based on IEC 60335 or similar	Performance test
Result	Test report	KTL certification and Test report

3. Scheme

Items	Scheme type	Result	Certificate	Mark	Follow up inspection	
					Market	Factory
KC safety	I_a	Test report	Issue		mandatory	
	III	Test report	Issue	Attach	mandatory	Factory inspection
KTL Voluntary	I_a	Test report	Issue	Attach	mandatory	

C3 had shared the new trends. This time, Mr. Seok from KTL shared the new trend of smart lighting, Zhaga. As the lightning trends are developing, it has developed to Generation 3, Smart lighting with human-centric lighting from traditional lighting and LED lighting generation. The Smart lighting system is a lighting system that can be changed according to the surrounding environment or preset settings while satisfying the quality of lighting through input/output and control of information. For example, it can be a sensor and control device connected by wire or wireless to a network. The smart lighting market is expected to grow gradually.

Zhaga was launched in 2010 as a global lighting-industry consortium to standardize the interfaces of components of LED luminaries. The use cases of Zhaga show that the standardized connection ensures compatibility between the luminaries, lighting controller, and sensor. Detailed information on the IEC TC development of Zhaga document is provided to each member.

Shortly after, each member organization shared the national regulations of EV Chargers, which are quite big these days. Four member organizations gave a speech.

1) TÜV SÜD PSB(SINGAPORE)

TÜV SÜD PSB from Singapore shared the information about Singapore EV Vision 2050, which aims to reduce peak land transport emissions by 80%. TÜV SÜD PSB also shared what TR 25:2022 standards are used for EV chargers and which TICs including TÜV SÜD PSB are accredited for certain test standards to meet the requirement of LNO.

2) ETC(CHINESE TAIPEI)

ETC shared a voluntary product certification(VPC) system for electric vehicle(EV) charging systems in Chinese Taipei. Thus, mandatory verification started from the beginning of 2023, the procedure for EV charging systems that are used in public transaction services. ETC also shared which standards are used for VPC and what international standards are harmonized. For example, BSMI adopted the newest version of the standard, CNS 15511-1 : 2021, which is identical to the IEC 61851-1 : 2017. More details are provided to members.

3) JQA(JAPAN)

JQA shared an EV charging system in Japan. For the normal charging type, certification is needed for the AC outlet type with cable. The certification is also used for the quick charging type. For each type, JQA explained what standards are needed. Quick charging type requires CHAdeMO, even if it's a voluntary standard, public subsidy applications, installation notifications to fire departments, and others asking the certification.

4) KTL(KOREA)

KTL shared an EV charger regulation in Korea with an explanation of the KC(Korea Certification) system, EV chargers with an input rating of 200kVA or less(DC, AC) and adapters need to comply with Safety Confirmation on KC. Also, KTL explained the chargers should comply with metrology laws manufactured or imported after January 1, 2020 in Korea.

Since there were no further issues regarding the agenda, the Chair closed the meeting.

2023 ANF General Assembly

ANF General Assembly meeting
– Kunming, China(2023. 11. 28~12. 01)

The General Assembly(GA) is the biggest event throughout the year of the ANF. The 2023 ANF General Assembly was held in Yunan Zhongwei Horizon Hotel, Kunming, China hosted by CQC.

Date	28 Nov(Tue.)	29 Nov(Wed.)	30 Nov(Thu.)
Activity	C1 & NN & C3	C4 & C5 & C2 & YEP	GA meeting
Morning session	Welcome	Greetings	Greetings
	C1 – Policy	C4 – Energy, Health and Environment	General Assembly (GA)
	ANF New Normal	C5 – EMC/RF and Factory Inspection	
Afternoon session	Lunch	Lunch	Lunch
	C3 – Electrical Safety	C2 – Promotion	
		Young Expert Program (YEP)	

01 **C1**

C1 has discussed the revision of the ANF rules and procedure documents, allocation of the assigned committee tasks, and the miscellaneous during the meeting. As the rules and procedure documents and some tasks should remain private, that information is only shared by the ANF member organizations. On this GA, the committee chair for C1 Mr. Shigeyuki KONDO from JQA turned over this position to Mr. Katsunori TACHIHARA, who is a senior manager of the Certification Division in the Product Safety Sector in JQA. For the future plan of the C1, C1 will continuously work on rules and procedure documents, review the member's report on 2023 of the ANF MLA and market demand, reviewing the results for the further improvement of the ANF. Also, C1 will improve productivity by reviewing the proposed report format of submitting information on the issued/unaccepted cases of the ANF members.

02 **New Normal**

New Normal is a group that discusses the future items of the ANF. At this meeting, ANF New Normal mainly discussed the items brought up in the last Ad-Hoc meeting.

The first object of this meeting was about the Development of the Joint Business Among ANF members. The group intends to develop a Joint Business model by making a voluntary certification. To make it possible, there were some ideas about setting the field of service, examples of similar services by certification bodies, and the accreditation status of each member. Members agreed that there would be so many obstacles to making this happen so to take it as a long-term goal. As QUATEST 3 couldn't make it to this meeting due to internal issues, members also agreed on to consider when full members are attended.

Secondly, as discussed in the last Ad-Hoc meeting, the Annual report will be published for the first time in ANF history. The Annual report for this year contains the basic information of the ANF and we aim to add more with the following editions. Further discussion will be made next year about the next contents, drawing formats and the costs. Members agreed to publish the ANF annual report in electronic forms. The report will be on the ANF website(www.theanf.org).

From the following meetings, MLA will be discussed in C1 – Policy, International leadership will be discussed in Young Expert Program (YEP), Annual Report will be discussed in C2 – Promotion, Technical Parts will be discussed in C3 – Electrical Safety.

03 C3

C3 nutritiously discussed the up-to-date changes in the electrical safety field of each member country, which led to the prosperity of the meeting. C3 shared newly changed information from each country, CQC from China introduced the newly listed product categories and their standards in the CCC catalog about the Portable power banks, Lithium-ion batteries and battery packs, and power adapter/chargers for telecom terminal products since August 1, 2023.

[Update of Standards]

1 2022. 07. 01

GB/T 9254.1-2021
replaces
GB/T 9254-2008,
GB/T 13837-2012

CCC Categories
Covered: 08, 09, 16
CQC Categories
Covered: 001018,
001019, 001121,
001001, etc.

2 2023. 08. 01

GB 4943.1-2022
replaces
GB4943.1-2011 and
GB8898-2011

CCC Categories
Covered: 08, 09, 16
CQC Categories
Covered: 001018,
001019, 001121,
001001, etc.

3 2023. 10. 01

GB/T 6346.14-2023
replaces
GB/T 6346.14-2015

CQC Categories
Covered: 001007

4 2024. 01. 01

GB 31241-2022
replaces
GB 31241-2014

CCC Categories
Covered: 0914(Portable
Power Banks), 0915(Lithium-
ion batteries and battery packs)
CQC Categories
Covered: 001031, 001046

5 2024. 07. 01

GB 17625.1-2022
replaces
GB 17625.1-2012

CCC Categories
Covered: 08, 09
CQC Categories
Covered: 001018,
001019, 001121

CQC also guided some requirements for the products, for example, the Lithium-ion batteries and battery packs require the identification requirement. Those products should show evidence of the name of the model, rated voltage, capacity, energy, and positive and negative polarity. It must show the production factory and production date or batch number as evidence. Lastly, CQC introduced their recent activities of performance certification on gaming monitors, intelligent security cameras, and portable power sources. Also, they have developed the first voluntary certification project in China about the Data Center life cycle.

ETC from Chinese Taipei introduced the nonconformity cases by the PTP(Proficiency Testing Program) results.

ETC also made a presentation about the technical issues in Chinese Taipei. BSMI implemented a voluntary product certification(VPC) for the electrical vehicle(EV) charging system on January 13, 2022. And there is a mandatory verification procedure if the EV charging system is to be put into service in the public transaction from January 1, 2023. ETC also showed what standards should be needed for AC and DC-type EV Charging systems including CNS 15511-1 : 2021, CN 15511-21-2 : 2021, and Cyber Security Testing Technical Specification for Electric Vehicle Supply Equipment : 2022. More standards can be applicable regarding the specification of the product. ETC can provide "EV Charging system" testing and factory inspection services.

Also, ETC introduced members of the Registration of Product Certification (RPC) on several products. One of the notable products from the document is the regulation on Heated Tobacco Products. Starting from March 22, 2023, heated tobacco products "devices" have been requested to comply with CNS 60335-1:2014, CNS 60335-2-120:2023, and other standard, if applicable. ETC is the first laboratory accredited by TAF for CNS 60335-2-120.

JQA from Japan reported their NCR cases, PCP results, and technical issues. Most products faced technical issues but some failed to qualify for the PSE Marking requirements. The PTP results were all passed with JQA Tokyo and JQA Osaka.

JQA also presented the national standards in Japan corresponding with the Japan Industrial Standards(JIS), and international standards, IEC which will be valid soon or later.

KTL from South Korea reported NCR cases, for example, the insulation distance failure from the short gap between the cap and the coil, and PTP cases of KTL Guro and KTL Jinju.

TÜV SÜD PSB from Singapore shared the standard updates from June 2024/2025 of the Minimum Requirement for Medium Risk Controlled Goods in Singapore. Those updated standards will be effective from June 2024 for new registration or June 2025 for renewal of registration.

TÜV SÜD PSB also introduced the required documents and the process of the Renewal of the CoC issued by CPSO. TÜV SÜD PSB is capable of issuing the renewed COC using the same COC number issued by ESG and submitting the re-registration through ESG's CPSA system on behalf of RS. Lastly, TÜV SÜD PSB showed some updates to clarify the product category and testing requirements for some products like portable gas appliances.

Then KTL explained the test service for sales platforms in Korea. Sales platforms in Korea such as home shopping channels, and E-commerce platforms want to guarantee the product's quality and safety to prevent product accidents and customer claims. So does the manufacturer, they want to prove the product's safety and performance to the sales platform and customers.

KTL suggested JQA develop a Joint Mark to fulfill the customer's request. By selecting product categories and test standards in consideration and the testing scope and facilities, KTL and JQA are trying to develop a Joint Mark. Test results will be accepted by the ILAC accreditation(ISO/IEC 17025) or auditing testing facilities. This project is working in progress, KTL and JQA are discussing the period of validity of the certification and the logo of this certification. Further discussion will be on.

KTL also shared the CTL meeting results and the cybersecurity evaluation method by using IEC 60335-1, Annex U during the meeting. If you want to have further assistance with those subjects, you can reach out to Mr. Jin-Yong Kim(jinyong@ktl.re.kr).

04 C4

C4's main topic for this meeting was Carbon reduction activities and Energy efficiency. TÜV SÜD PSB, CQC, and ETC prepared Carbon reduction materials at the national level. KTL prepared the technical regulations at the global level.

Referring to the TÜV SÜD PSB's presentation, Singapore is preparing for net zero emissions by 2050. By catalyzing business transformation, investing in low-carbon technologies, pursuing effective international cooperation, and adopting low-carbon practices. Those factors are operated by public, private, and individuals which means everyone can contribute to making zero emissions. Singapore is on its path to accelerating low-carbon transition in industry, economy, and society.

CQC showed China's carbon peak and neutrality policy to the members. According to the presentation, China's Carbon dioxide emission will reach its peak by 2030 and strive to achieve carbon neutralization by 2060. China's plan for carbon neutrality will be harmonized with the energy, industrial, transportation, construction, agriculture, and land use sectors. To effectively promote the progress of the dual carbon work, provinces, and cities have also introduced incentives and subsidy policies for carbon emission reduction.

ETC introduced the net zero transition in Chinese Taipei. Chinese

Taipei made climate legislation to set up 2050 net zero emissions as a long-term goal. To achieve this goal, there are 4 strategies and 2 foundations to uphold. Energy, industrial, lifestyle, social transition as a strategy, technology R&D, and climate legislation are 2 foundations of governance. Notably, Chinese Taipei will gradually use hydrogen and bioenergy by 2050. By using new energy and decarbonized electricity, it can offset the emissions. ETC was accredited as a GHG Verification Body in 2022, ETC can conduct both consulting and verification with GHG-related standards, ISO 14064-1 and ISO 14067.

KTL briefly introduced the international trend of carbon neutrality. Many countries including the USA, European Union, China, Japan, and Korea set their long-term goals by 2050. To verify the environmental footprint, a life cycle assessment is commonly used. ISO 14044, ISO 14067, EN 16760, and more standards are using those life cycle assessments. The demand for assessment and verification is increasing due to the social demands and international issues of global companies. KTL is providing services for product carbon footprint verification based on KS Q ISO/IEC 17029 and ISO 14065.

Then, CQC had a presentation about the Energy efficiency field. The implementation rule about energy-saving certification rules for computer monitors will be superseded by the energy-saving certification rules for displays(CQC31-452629-2016 to CQC31-452629-2023).

It only covered LCD display and devices but now it's applicable for OLED/LED displays with DC-type power supply, for commercial uses. Starting from June 1, 2024, the old version of the certificate will be no longer issued. From May 31, 2025, all conversions of the old certification should be completed, then on August 31, 2025, the certificate that has not been converted will be revoked.

05 C5

C5 discussed the EMC/RF field. ETC and TÜV SÜD PSB prepared the presentation material of the national standards.

ETC shared the updates of the CNS standards in the field of EMC. More CNS standards are updated on the EMS and EMI fields which are identical to IEC or CISPR standards. ETC also introduced international standards for electricity metering equipment, IEC 62052-41 and IEC 62053-41. ETC addressed that in the near future, electric vehicles will be charged with hundreds of kW DC fast charging. Drivers need safe, reliable, and accurate DC meters and chargers to ensure seamless integration of Electric Vehicle energy.

ETC also shared a special introduction to the testing specifications and development of 5G Smart Poles. ETC is conducting the 5G Smart

Pole research in Chinese Taipei. The team is operated by the Ministry of Economic Affairs, R.O.C, and the regulatory work is supported by the Bureau of Standards, Metrology, and Inspection, M.O.E.A. ETC is working as a working group with 4 other organizations including the Chinese Taipei Institute of Economic Research. The top of the smart pole will take the role of the 5G Micro station, smart lighting, and Environmental monitoring. The middle part of the pole will be operated with the road digital signage, traffic signal, camera, public broadcasting, WiFi/FWA, V2X, and RSU. The lower part of the pole will function as a digital information board, emergency call, EV charger, and the module of PSU. ETC showed the current status of the technical specification of the smart pole, which is subject to change by the actual development.

TÜV SÜD PSB introduced members to the EMC and RF regulations in Singapore. Infocomm Media Development Authority(IMDA) is both a regulatory authority and a certification body. The regulatory requirements can be found in the Equipment Registration section on the IMDA website, validation of the certification is 5 years. According to the presentation, IMDA will allocate more RF spectrum to facilitate advanced Wi-Fi connectivity in Singapore, complementing Singapore's Nationwide Broadband Network(NBN) and 5G mobile networks. This will be done through an allocation of 500 MHz of spectrum in the 6 GHz band for Wi-Fi use in Singapore.

06 C2

As the QUATEST 3 couldn't attend the meeting, the secretary general took a role from the C2 chair. To promote the ANF services, C2 is taking charge of the ANF logo trademark management, promotion, and membership development. At this meeting, members discussed the ANF logo trademark renewal which is registered in each member country. Due to the differences between the countries, the registration process, and the renewal time, each member organization should process respectively. C2 also discussed the social media platform for the promotion. Since each country uses different social media, C2 ended up that the discussion should be made at a different time when the chair organization is available.

The ANF annual report was originally discussed in New Normal group. At the Ad-Hoc meeting, the agenda of the annual report was moved to C2. KTL shared the draft contents of the ANF Annual report. The contents proposed by KTL were about the yearly activies about the ANF program and the introduction of the key customers of each member organizations. The report will publish electronically on the ANF website(www.theanf.org). Members discussed about the presentation, which the idea of the report is reasonable but the length and the contents should be revised.

07 YEP

2023 YEP was held in South Korea, hosted by KTL from September 25 to September 27. Initially, ETC was going to host the event in 2023 in Taoyuan City in Chinese Taipei, but due to the circumstances the schedule has been deferred for ETC will host the 2024 YEP in Chinese Taipei. There are 3 members from KTL, JQA, and ETC attended in person, and 3 members from QUATEST 3 participated virtually.

The members who attended in person had a chance to visit industrial sites, including LG Electronics, the Smart Manufacturing Innovation Center (SMIC), and KTL Gyeonggi branch. Members had a unique experience in SMIC, where they got personalized gifts made by the machines operating on-site. On the last day, 2023 YEP members shared the national mandatory certification scheme and had some seminars on the field of Functional Safety, EV battery & Charger, Refrigerant explosion proof, and Cladox(report automatic generating system) made by KTL.

The survey after the 2023 YEP indicated that the environment of the program was satisfied. However, the period of the program, the Alumni system, and the number of participants should be discussed further.

08 GA

GA started with a welcoming speech by the president, Mr. Se-Jong Kim from KTL. The Secretary General Mr. Jin-Yong Kim from KTL reports the agenda of today and the last GA meeting, approved without any objections.

The agenda for the GA are following:

❶ Reporting from Each Committee ❷ Updating the ANF Rule and Procedure Documents ❸ Nomination and appointment of the ANF Committee Chair, and treasurer ❹ Showing the results of the ANF businesses ❺ Reporting the budget statement ❻ Sharing the issues ❼ Final approval.

Each committee chair had a report of their meetings this year including the Ad-Hoc meeting and the GA meeting with the minutes. From C1 to C5 and NN, all reports were accepted without objections.

There was one comment regarding the YEP, where Mr. Mo Xiaofeng from CQC reported the 2023 YEP results and the upcoming 2024 YEP hosted by ETC, Chinese Taipei. Since there is one delegate from each member organization, the president suggested bringing more delegates from each member organization. There are no limitations on the number in the YEP program but it'll depend on the budget of each organization. The knowledge gained from the YEP is considered to be

helpful for member organizations, so if the budget isn't tight, member organizations should consider bringing more delegates.

After each committee report, C1 chair Mr. Shigeyuki KONDO reported updates of the ANF Rule and Procedure Documents. Then, the secretary general reported the nomination and appointment of the ANF Committee Chair, Secretary General, and Treasurer position as below.

Position	Predecessor	Successor
C1 Chairman	Mr. Shigeyuki KONDO(JQA)	Mr. Katsunori TACHIHARA(JQA)
Secretary General	Mr. Shigeyuki KONDO(JQA)	Mr. Jin-Yong Kim(KTL)
Treasurer	Ms. Kayoko OGURA(JQA)	Ms. Taehee Kim(KTL)

ANF members showed mutual recognition of the test reports under ANF MLA from October 2022 to Septemeber 2023. Mostly, the cases of the recognized test reports are stable each year. By providing mutual recognition services to customers, we can assume customers can feel comfortable with the recognition of member organizations.

Ms. Kayoko OGURA from JQA, the former treasurer reported the budget report of the 2022 fiscal year. Then the treasurer reported the budget plan for the 2023 and 2024 fiscal year. Treasurer expected more expenditure from this year with more offline meetings will be held.

There are two other issues reported of issuing the ANF annual report and the presentation of the digitalization of the conformity assessment. Again, the secretary general brought the idea to publish the ANF annual report. This year, as a trial, KTL will cover the expenses for the annual report. But from next year, the secretary general asked the member organizations about the funds from the ANF budget. Every organization expressed their support financially. Also, member organizations suggested some contents of the annual report, that are effective to the customers.

CQC's presentation about digitalization in conformity assessment was about the best practice of the current assessment process for digitalized objects and the new data-driven services. From the best practice, CQC presented the new business of testing and certification area about the products with digital applications, digital trade, and data evaluation. In conclusion, CQC suggested that ANF member organizations exchange experiences and best practices to gain insights into the market needs with cooperation in standardization for conformity assessment. Members suggested having a further discussion in C3 with the working group level.

Before the final approval, the president suggested some ideas to accelerate the ANF events.

1. **Extension of the membership**
   To engage more Asian countries, ANF should put efforts into adding more member organizations.

2. **Advisory Group**
   An advisory group to be set within ANF GA as a task force form is suggested. So, this group could be formed among the members who are expecting retirement shortly.

3. **ANF Long-term Vision**
   International organizations have their long-term vision like Vision 2030. ANF shall make the long-term vision or goal to aim for that vision.

Members agreed to all suggestions so will be discussed in C1.

With support, all agendas are finally approved during the GA. As the ANF has more than 20 years of history, most of the members had intimacy with each other which led to more initiative during the meeting. Before the closure of the meeting, ANF members shared the hosting countries about each event. Ad-Hoc meeting will be hosted by QUATEST 3 in Vietnam, YEP will be hosted by ETC in Chinese Taipei and GA will be hosted by JQA in Japan.

President showed his gratitude to the members who actively participated in this GA meeting.

2023 Young Expert Program

2023 ANF YEP was held in the KTL Seoul Branch, South Korea from September 25 to September 27.

ANF YEP is short for Young Expert Program which aims to find new engineers and nurture future experts in the field of Testing and Evaluation in Asia from each ANF member.

Initially, it was about to be held in Chinese Taipei and hosted by ETC this year, but due to the uncertainty of getting a Visa to Chinese Taipei, KTL asked favor of the members to hold this event in South Korea in person. KTL wants to show appreciation for every member who agreed to have a meeting in Korea and let the YEP resume after the pandemic.

KTL decided to change the hosting country at the last minute, not every member can attend in person so KTL took the hybrid way to accommodate more members of the ANF YEP.

KTL(South Korea), JQA(Japan), and ETC(Chinese Taipei) have participated in person, QUATEST 3(Vietnam) joined the Zoom meeting, and because of the connection issue, CQC(China) couldn't be at the meeting. And also for the TÜV SÜD PSB(Singapore), we hope PSB can join this event next year.

On the first day of the YEP, Mr. Jin-Yong Kim, ANF secretary welcomed the members who have joined the 2023 ANF YEP. Mr. Tae-Seung Song, ANF C3 Chairman also gave a welcoming speech. Each member was introduced. There were Mr. Jin-Hyeok Kang from KTL, Mr. Muto Ryu from JQA, and Ms. Sandy Hsu from ETC. Mr. Nam, Mr. Tuan, Ms. Hang, and Mr. Troung from QUATEST 3.

After the ice breaking, Mr. Jin-Yong Kim introduced the ANF history through the website of the ANF(www.theanf.org). He also added some information on KTL, where was held the 2023 ANF YEP.

Participants who participated in person had a welcome lunch together at the Chinese restaurant near the venue, the KTL Seoul branch.

After lunch and a coffee break, Mr. Se-Jong Kim, the president of ANF gave a welcoming speech to the delegates through Zoom. Soon, young members of the ANF gave a presentation about their organizations and/or their interested topics.

First of all, Ms. Sandy Hsu from ETC introduced what ETC does, how ETC is organized, and their international connection with the ANF members and other countries. ETC has lots of range of services, such as the BSMI RPC scheme, NCC scheme, TS mark, Japan Diamond PSE, and Singapore CPS scheme, other voluntary certifications are also serviced by ETC. They also have an expanded scope of testing fields, such as ICT products, A/V, Household, Automotive Electronics, Medical devices, and more. Other than the certification and testing services, ETC also provides consulting and training, calibration, factory inspection, and R&D services. It was helpful for the participants to know of other member bodies.

Second, Mr. Muto Ryu from JQA introduced JQA. When it was established, how the organization was structured, and what services JQA majorly serves. JQA provides ISO Management Systems, Product Safety and EMC, Calibration, Inspection of Construction Materials, JIS Mark Certification, Global Environment, Robot and Functional Safety. Mr. Muto Ryu works for the Safety and EMC Center, Global Market Access Division as a project manager. JQA works for mandatory certification in Japan such as PSE Circle and Diamond, PSC, Pharmaceuticals and Medical

Devices Act, and Radio Act. JQA also provides Voluntary certification such as S-JQA, IECEE CB, and IECQ services and also gives Global Market Access services.

Last, Mr. Jin-Hyeok Kang from KTL introduced Cybersecurity, which he is intensively researching nowadays. He has more than 7 years of experience in software testing and certification. His department's current business fields are about to check the software quality, software process, and software cybersecurity. They are also developing some business related to automobile cybersecurity about ISO/ASE 21434, UN Regulation No. 156, Cyber Security for consumer IoT such as ETSI EN 303 645, CE RED, and the Cybersecurity certification test plan for IoT devices such as CTIA Cybersecurity Certification Test Plan for IoT Devices Version 2.1. He introduced some cybersecurity standards but mainly pointed out that ESTI EN 303 645 is a cohesive standard whilst maintaining world-leading security these days.

When the topic presentation was done, Mr. Hwa-Jun Rim from KTL shared his experiences at the IEC YP(Young Professionals) Workshop experience in 2019. IEC YP program has consisted of technical meetings, and networking sessions which are quite similar to the 2023 ANF YEP program. He stressed the importance of having a network with each other.

The first day of the ANF YEP session was over after those programs, YEP members had dinner at the Korean BBQ places and got close to each other.

On day 2, September 26, YEP members who participated on-site went on an industrial visit to several places in Gyeonggi Province, South Korea.

YEP members moved early to the Customer Quality Research Lab of LG Electronics, learned about the history of LG, and what products they've developed, and had a lab tour of LG Electronics. Every department of LG Electronics welcomed ANF YEP members and gave explanations on each site. Members found out that some testing equipment is used by member bodies but some are new to the ANF members. Every compartment is neatly organized, which was quite impressive to the members.
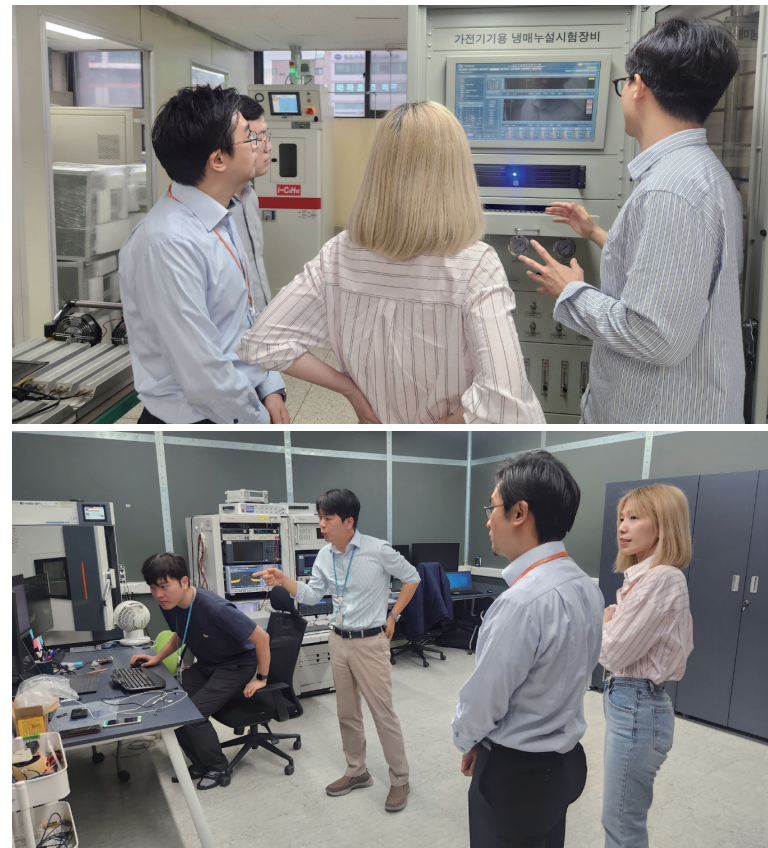
Members moved to the Smart Manufacturing Innovation Center run by KETI, Korea Electronics Technology Institute. They modeled the smart manufacturing system by using digital data. They showed how the machinery works. The factory system was quite agile, they could easily assemble and/or disassemble compartments so they could customize what customers demanded. Also, they provide real-time manufacturing data together, so they can analyze when the problem occurs. Members also had a chance to learn about the security systems operating with infrared cameras and sensors. SMIC gave some special presents to the members, a pencil case made by machines at SMIC.

The KTL Ansan branch is located just next to the SMIC, members moved to the KTL Ansan branch and had a lab tour of the EMC chamber and 5G testing facilities. Members had one-to-one questions on the field of telecommunication.

On the last day, members gathered at the KTL Seoul branch again to continue the technical meeting and connected virtually as well. KTL gave a presentation on the KC scheme, which is a mandatory Certification in Korea. ETC also gave a presentation of the BSMI scheme used in Chinese Taipei, and JQA gave a presentation of the PSE scheme. Members have learned how the certification systems are used in other member countries.

After the very last lunch with members, KTL delegates gave a speech in the field of Functional Safety, Safety tests for the EV charger, flammable refrigerant, Claydox, and the TC 61 meeting.
Members' eyes are caught by the Claydox system, which was developed by KTL. Claydox is a Report automation system that shifts from an existing way of working to a new way of working. Which is a platform-based system that helps an engineer to write a test report digitally. To secure the test results and the raw data, preventing human error on data, the automatic report-generating system Claydox

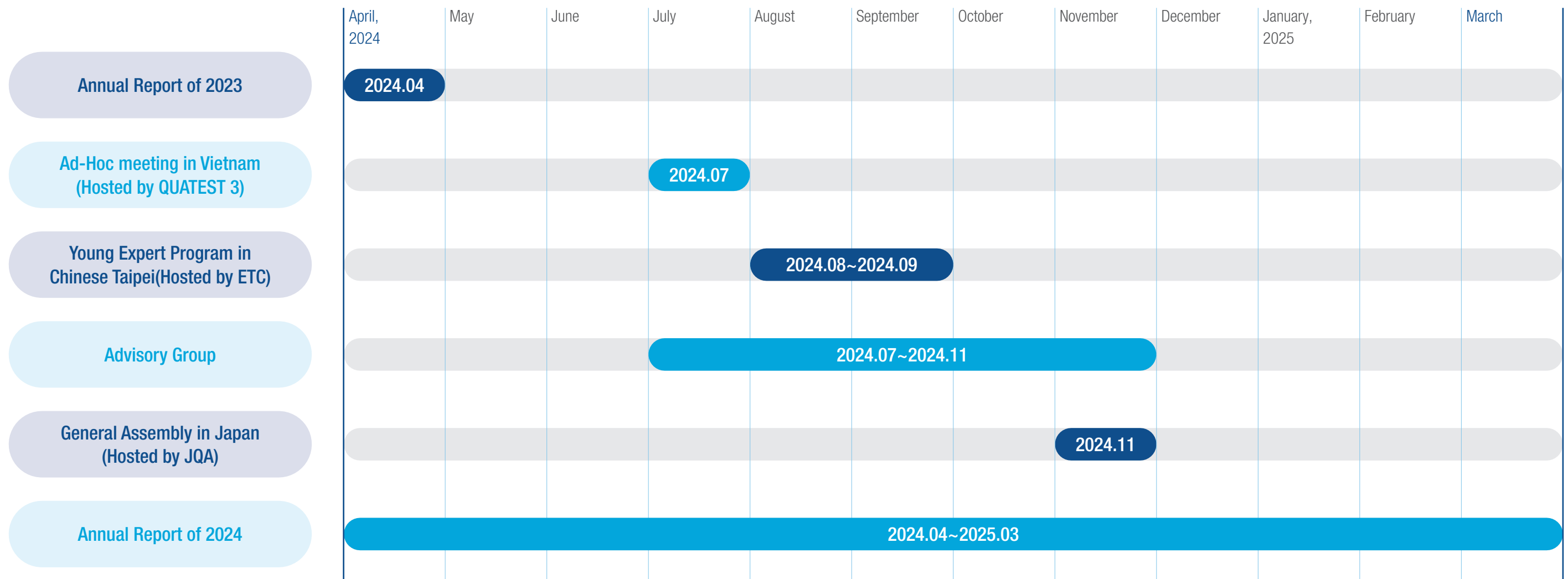increases the productivity and reliability of the test report.
When the speech from the KTL delegates was finished, we wrapped up the program we experienced and learned. Also surveyed a better

program service for the next year. The last dinner was Korean beef, which we enjoyed and promised to be connected. KTL will share the survey results in GA, where the next hosting country will be announced.

Plans of 2024 ANF activities

Timeline of the ANF 2024

	April, 2024	May	June	July	August	September	October	November	December	January, 2025	February	March
Annual Report of 2023	2024.04											
Ad-Hoc meeting in Vietnam (Hosted by QUATEST 3)				2024.07								
Young Expert Program in Chinese Taipei(Hosted by ETC)					2024.08~2024.09							
Advisory Group				2024.07~2024.11								
General Assembly in Japan (Hosted by JQA)								2024.11				
Annual Report of 2024	2024.04~2025.03											

Appendix

Overview of Other International Organizations - ISO

ISO was founded in 1946, and 65 delegates from 25 countries met to discuss the future of International Standardization. Now there are 170 countries with 25,291 international standards developed, ISO has enabled trade and cooperation between people and companies the world over.

The ISO Annual Meeting(AM) 2023 was held in Brisbane, Australia hosted by Standards Australia for 5 consecutive days in September 2023.

On this ISO AM 2023, more than 7,500 participants from over 170 countries participated. The program featured over 20 sessions with various backgrounds of speakers, including business and industry leaders and high-level government officials. This event also highlighted the pivotal role that International Standards play in meeting global needs and accelerating progress towards achieving the United Nations Sustainable Development Goals(SDGs).

There was a time for voting for ISO Council members during the ISO AM 2023. 5 candidates are elected – Mr. Se-jong Kim from KATS, KTL(South Korea), Mr. Saad bin Othman ALAKASABI from SASO(Saudi Arabia), Ms. Sauw Kook CHOY from SSC(Singapore), Ms. Ranae FERGUSON-BUFFORD from BBSQ(Bahamas) and Mr. Nafaa BOUTITI from INNOPRI(Tunisia).

The five-day event served as a platform to unite efforts, leverage technology, and prioritize sustainability in the pursuit of a better future for all to make lives easier, safer, and better.

There are 4 Keywords of ISO AM 2023:

01 Technology for all

Fascinating conversations were had about the transformative impact of technologies such as artificial intelligence(AI), metaverse, and convergence-related issues during the ISO AM 2023. Cybersecurity was cited as a paramount concern. Experts who participated in this event highlighted the evolving threat landscape and the importance of robust cybersecurity standards to protect critical infrastructure, data, and individuals.

02 Trust and policy

Trust emerged as a compelling theme, resonating across discussions on international trade, anti-corruption, and sustainability, and underscoring the critical role of standards in policy to build a more trustworthy global landscape. International Standards can help ensure transparency, accountability, and credibility so that sustainability commitments can translate into meaningful action on the global stage.

Unveiled at the ISO Annual Meeting, two ambitious toolkits – ISO Policy Toolkit and ISO Climate Action Toolkit – serve to help position standards at the forefront of the policy agenda, bridging the gap between government and national standards bodies. By making standards an integral part of the discussions, the toolkits will help policymakers use and reference standards in policy frameworks.

03 Continued commitment to climate

Climate was also a dominant theme at the ISO General Assembly, which brings together representatives from ISO members around the world and is always one of the highlights of the ISO Annual Meeting. ISO's climate commitment was given greater momentum with the inclusion of a strategic priority on environmental sustainability, enshrined in the updated ISO Strategy 2030.

04 Collaboration is key

A landmark new partnership was announced with the United Nations Development Programme(UNDP) to enhance sustainability action. Building on the unique contributions of each organization, the commitment aims to enhance International Standards that advance sustainability actions in both the public and private sectors.

ISO Annual Meeting 2024 will be held to continuously discuss the subjects and take action in Cartagena de Indias, Colombia in September 2024.

Source: https://www.iso.org/news/am23/iso-annual-meeting-breaks-records