



ELECTRONICS ENGINEERS MARCHING IN HARMONY, CHEERING FOR THE NATION

Author:

ENGR. BENJZ GERARD M. SEVILLA
National Treasurer

In a recently approved resolution, IECEP, Inc adopted a hymn for its official functions and engagements.

Produced by the Committee on IECEP Hymn headed by Adonis Q. Talabo, PECE and with the guidance of IECEP National President Dr. Mishell D. Lawas, PECE, the IECEP Hymn, entitled ECE's, Let's Build the Nation, is an embodiment of IECEP's mission and vision, as well as strategic objectives, core values, and history and future outlook.

The Hymn was composed by Mr. Dexter De Lara Tumang; Engr. Benjz Gerard M. Sevilla was lyricist; Mr. Ryan Benedick Yamar was sound engineer; Mr. Peter Paul Cifra was music arranger; and was sung by Mr. Tristan Mar Awit and Mr. Brian Joseph Sales. The Committee members are as follows: Engr. Benjz Gerard M. Sevilla, Engr. Carmelito V. Bernadez, and Engr. Favis Joseph C Balinado.

Dr. Lawas said "...the timely adoption of an IECEP Hymn provides for the general membership and chapters a renewed sense of vigor and vitality to be involved in nation-building efforts."

The lyrics touched on the Electronics Engineering Practice, Overview of IECEP Chapters and Membership, and a call to action on Rising Above the Challenges in Digital Transformation, as well as the Future of Electronics Engineering Industry. Its chorus starts off with: One organization, our many chapters, our one profession, a rehash of the usual tagline of IECEP. The lively march is set to raise the energy and morale of the cheering crowds, with its bridge reading as: Marching to the future for the next generation... Always open to innovation!

The same Committee has likewise endorsed a Terms of Use (ToU) Document in accordance to the proper playback of IECEP Hymn, covering events such as conferences, seminars, and meetings of IECEP National, Local and Foreign Chapters, Student Chapters, Societies and Committees, as well as other functions and engagements of significance as deemed appropriate, i.e. awards, competitions, outreach, oath-taking ceremonies, conventions, sports festivals, etc.

Adonis Q. Talabo, PECE, IECEP Hymn Committee Chair remarked "...we acknowledge the men and women behind the development of this masterpiece. This is ours, and it is ours to last. Truly, ...for our country and the world all of us are resolute!"

The IECEP Hymn was launched in MIDCON 2022, aptly themed: Electronics Professionals Leading Progressive Digital Innovation and Nation-Building Strategies.

The digital copy of the IECEP Hymn and its lyrics are available on the Official Website, www.iecepnational.com, and other Official Social Media Channels, as well as from the National Secretariat.



One organization,
our many chapters,
our one profession.

Composer:
Mr. Dexter De Lara Tumang
Lyricist:
Engr. Benjz Gerard M. Sevilla
Sound Engineer:
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Music Arranger:
Mr. Peter Paul Cifra
Singers:
Mr. Tristan Mar Awit & Mr. Brian Joseph Sales



ECEs, Let's Build The Nation

The IECEP Hymn

It was about creating value for society...
Recognizing electronics for our economy...
Purpose - driven, that's who we are; we work with ingenuity,
For nation - building and the ever-evolving industry!

Dynamic, globally - competitive is our Institute.
Excellence is what we aim. Yes, humanity our root!
Professionalism and prestige as our route...
For our country and the world all of us are resolute!

Pre-Chorus

Engineering solutions that have led to many changes...
Creativity, intelligence have been our tool for ages.
Marching forward for the country - leading it to progress.
Making sure that you and me are part of all success.

Chorus

One organization, our many chapters, our one profession.
Walking hand - in - hand in the same direction...
With the help above we'll do our mission!
One organization, our many chapters, our one profession.
We are family, guided by our vision!
I....E....C....E....P!
ECEs, let's build the nation.

Leadership and unity and progress and development...
Camaraderie and ethics and meaningful engagements...
Members have the chance for growth and involvement.
New opportunities - inspiring life's moments.

(Repeat Pre-Chorus & Chorus)

Bridge

Marching to the future for the next generation...
Always open to innovation! (Innovation!)

(Repeat Chorus)

Finale: I . . . E . . . C . . . E . . . P !!!

IECEP Recognized for Contributions to ICT Development, Digital Economy

Author:

ENGR. SHERWIN C. RICAFLANCA
IECEP - AER Committee Chairman

Last June 28, 2022, the Department of Information and Communication Technology (DICT) culminated the month-long celebration of the 2022 National Information and Communications Technology (ICT) Month held at the Philippine International Convention Center, Pasay City. Dubbed as "ALAB: Recognition of Partners in Advancing the Digital PH Agenda", the DICT invited its partners from the private and public sector to be recognized for their contribution in advancing ICT industry in the country.



The event was opened by Assistant Secretary and Organizing Committee Chairperson, Nestor S. Bogato and an overview of the ALAB Recognition was given by Undersecretary Maria Victoria Castro. The awards were divided into three categories, "Spark, Strengthen and Sustain." The Alab Spark Awards recognized partners which were instrumental in igniting the spark of change, leading to an exponential growth of the country's ICT ecosystem. These awardees were the innovators, frontrunners, and trailblazers of the Philippine ICT industry. The Alab Strengthen Awards honored partners who helped turn the small sparks of change into blazing fires by sharing their technical expertise in upskilling both the government and the private sector to better adapt to the changing digital landscape. Lastly, the Alab Sustain Awards recognized DICT partners who continue to encourage support for local ICT growth, whether through investments or through organizing people or communities to rally behind reforms needed to push forward the Philippine digital agenda.

For its part, IECEP Inc. was given the Alab Strengthen award as received by National President Dr. Mishell D. Lawas, PECE. This award shows the organizations' commitment to leading in the digital era and sharing our expertise for the benefits of the Filipino people.

The Philippine Association of Government Electronics Engineers (PAGE) and the IECEP - Quezon City Chapter were likewise recipients of the Alab Awards.



SALUTE TO FRONTLINERS DELIVERING EMERGENCY TELECOMMUNICATIONS RESPONSE

The Department of Information and Communications Technology (DICT) leads the Emergency Telecommunications Cluster (ETC) of the National Disaster Risk Reduction and Management Council (NDRRMC).

To address the functional requirements related to the deployment of ICT resources in times of disasters, the DICT has established the Government Emergency Telecommunications Team (GETT) in the Central Office (CO), as well as in its Regional Offices.

The GETT is composed of trained professionals, electronics engineers and technicians alike, who have access to government-acquired telecommunications equipment such as Very Small Aperture Terminal (VSAT), All-Mode (High-Frequency [HF], Very High Frequency [VHF] and Ultra High Frequency [UHF]) Radio and Satellite Phones, among others.

A select list of personnel is also skilled to manage the Mobile Operations Vehicle for Emergency (MOVE), each set composed of a Communication Hub Truck, a 4x4 Dispatch Vehicle, an Off-Road Capable Motorcycle, and an Unmanned Aerial Vehicle (UAV) strategically pre-positioned in six (6) disaster-prone areas in the country for immediate response. State-of-the-art assets are purpose-built in these specialized vehicles for rapid telecommunications service augmentation, under the Government Emergency Communications System (GECS) Project, undertaken by the DICT with the United Nations - World Food Programme (UN - WFP), the Global ETC Lead.

In December 2021, Typhoon Odette devastated parts of Visayas and Mindanao. Emergency telecommunications proved to be an enabler for a more efficient disaster response operations, serving as the backbone for critical coordination efforts among National Government Agencies (NGAs) and Local Government Units (LGUs), as well as other humanitarian organizations.

Deployed in several locations, key MOVE Sets were equipped with Emergency Cellular System (ECS) allowing citizens within a proximal location to the activation site to be catered with telecommunications services, through KonekTawag Centers, wherein Wi-Fi, Short Messaging Service (SMS) and Calls were offered for free.

In an interview, Engr. Alan A. Silor, PECE, Undersecretary for Resilient Government Emergency Communications, DICT, shared "...at the forefront of these regional deployments, Professional Electronics Engineers (PECE), Electronics Engineers (ECE), and Electronics Technicians (ECT) took their expertise to the test by providing emergency telecommunications in areas devastated by the typhoons."

Similarly, PECEs, ECEs, and ECTs in the Integrated Operations Center (IOC), managed by the Disaster Risk Reduction Management (DRRM) Division in the Central Office played a key role in ensuring that functional and technical requirements on ground-zero were met with the necessary support equipment and logistics services for coordinated disaster operations.

Engr. Angel Maverique U. Ibay, Team Leader, deployed in Negros Occidental and Bohol, recounts his experience "...as an ECE, I am proud that my technical contributions were potentially life-saving."

It is worth noting that these GETT Personnel and IOC Staff are also members of IECEP; some actually holding Chapter Leadership Positions. The Office of the Undersecretary for Resilient Government Emergency Communications (OURGEC) which supervises the GETT, as well as the DRRM Division (with ECE as Chief), IOC (with ECE and ECT as Officers), and the GECS Project (with ECE as Assistant Project Manager), is led by Undersecretary Silor, a PECE, also the Vice President for External Affairs of IECEP Inc.

The DICT held a Recognition Ceremony last March 2022 in acknowledgment of the efforts of Typhoon Odette GETT Responders, as well as partners from the Public Telecommunications Entities (PTEs), Internet Service Providers (ISPs), and other ETC Stakeholders.

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Office of the Undersecretary
Resilient Government Emergency Communications
Department of Information and Communications Technology

With reports from:

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Deputy Chief, Disaster Risk Reduction Management Division
Department of Information and Communications Technology



Dir. Rik Amores and Engr. Ira Bermudo together with MOVE NCR GETT arrived and parked at Bohol Provincial Capitol



MOVE NCR GETT assessed the damage on MDRRMO's VHF Repeater in Carmen, Bohol as per their request.



Brgy. Cabadiangan, Sipalay City, Negros Occidental



Showcase the MOVE set to the PDRRMO of Bohol



Brgy. Manlukahoc, Sipalay City, Negros Occidental



Brgy. Cabadiangan, Sipalay City, Negros Occidental



Brgy. Nauhang, Sipalay City, Negros Occidental



Brgy. Camindangan, Sipalay City, Negros Occidental



MOVE showcase at RDRRMC region 7



NCR MOVE GETT at Carmen, Bohol

CYBERSAFE SATELLITE COMMUNICATIONS A GROWING CONCERN FOR THE PHILIPPINE ARCHIPELAGO

Author:

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Cybersafe or cybersecure satellite communications has been highlighted recently. In fact, earlier this year, there were several news articles about satellite communications worth noting, including the potential entry of SpaceX in the Philippines and the cyberattack to ViaSat's KA-SAT leading to disruption of internet services in Europe.

Space Exploration Technologies Corp. or SpaceX is a US-based company that operates Low Earth Orbit (LEO) satellites. SpaceX completed last year its project called Starlink to deploy a network of 1,600 LEO satellites to cover the globe. LEOs are satellites that operate at an altitude of about 160 km to 2,000 km from the earth. LEO satellites need ground earth stations, called gateways, to initiate and maintain connectivity resources between user satellite earth stations/terminals, which are actually the caller/data sender and the called party/data receiver, in a localized network.



The Philippines is posing to become the first in Southeast Asia to access Starlink. It was reported in some local newspapers that SpaceX is applying to do business in the Philippines and one of the telecommunications companies in the country already signed an agreement with SpaceX to lease out fiber lines and other ground support to SpaceX's Starlink. It was reported that SpaceX decided to invest in the Philippines after the enactment into law of the amended Public Service Act (PSA) which allows 100% foreign ownership to a public service provider.

The entry of a satellite service provider to provide internet services is seen by many, including the Asian Development Bank (ADB), to provide fast and cost-effective internet connectivity even in remote locations, as well as to improve network infrastructure resiliency for regions prone to natural disasters. All of these are applicable to a country such as ours with thousands of islands, many of which are small communities that are located in mountainous areas, or geographically isolated, aggravating the fact that the country is one of the most disaster-prone in the world.

On the other hand, ViaSat is a US-based company providing satellite services for internet services on planes and remote locations. KA-SAT provides high-speed satellite internet services, which has a download speed of up to 50 Mbps, in Europe. A cyberattack to the KA-SAT was reported and it caused internet service disruption in the continent. The cyberattack happened in February this year and was being investigated by French, US and Ukrainian authorities. According to ViaSat, the attack was directed to modems, and as such, the company provided over-the-air (OTA) updates and replaced other customers' equipment.

The cyberattack gained attention in the satellite industry and provoked some insights and comments from satellite operators, governments and cybersecurity practitioners. There were comments related to the cybersecurity posture of satellite networks, with commercial satellites appearing to be better than the government-owned satellites. Given this, the US government is looking for a hybrid network of commercial and government satellite communications systems.

A satellite network is a critical lifeline since its functional output is vital to socio-economic activities and disruption to communications services will have a big impact causing direct and significant consequences to people's safety and security.

The National Cybersecurity Plan (NCSP) 2022 of the Philippines included telecommunications systems, such as satellite communications network, as a critical information infrastructure (CII). Thus, the government and the satellite operators should be able to discuss measures to address potential cyber threats. The US government, for example, envisions that commercial communications satellites that provide services to the military are cyber secure through an infrastructure pre-assessment program.



LEO Satellites in Space

The Philippines has long been dependent on commercial satellites, which mostly if not all are satellites in the geostationary orbit (GEO), operating at about 36,000 km from the earth. There was an effort in the past to launch a Philippine commercial satellite in the GEO but it did not prosper. It was only when the Philippine government, through the Department of Science and Technology (DOST) program on DIWATA and MAYA microsattellites for scientific purposes such as earth monitoring, that the government experienced the launching of a Philippine satellite into space, which is in the LEO.

The entry of SpaceX's Starlink and other LEO satellite networks in the country provides hope for the country to deliver fast and reasonably-priced broadband Internet services to rural and remote areas. However, it should be emphasized to the operators of these satellites that as CII operators, the government should be informed of potential threats and how these operators are addressing them. According to several other articles, with the desire to reduce costs of these LEO satellites, if the satellite operator opts to use cheaper hardware, software and outsourced services, it may, in turn, increase the vulnerability of the satellite to any cyberattack.

Moreover, aside from the vulnerability of the technology, the process being implemented in the operation of the LEO satellites as well as the people who are in-charge of operating them also contribute to the over-all cyber risks. Thus, it is imperative that in order to have cybersafe satellite communications, the identification and analyses of various cyber risks are made.

Even though electronics professionals are distributed across various ICT fields, a common competency that can be developed is on cybersecurity. Electronics Technicians (ECT), Electronics Engineers (ECE) and Professional Electronics Engineers (PECE) alike may be tapped to work on cybersecurity aside from being, in this case, a Satellite Engineer. Let us all work towards cultivating a cybersafe Philippines.

IECEP WEBSITE RELAUNCHED AS AN ALL-IN-ONE INFORMATION CENTER

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The revamped IECEP's website is now officially the Institute's Medium of General Circulation (MGC), equivalent to the Official Gazette when compared to the Philippine bureaucracy.

As an all-in-one repository of information, the website, accessible via iecepnational.com, features the work and effort of the National Office, under the leadership of the National Board of Directors (BoD), and supported by the standing and ad-hoc committees of IECEP in particular, the Portal and Website Committee.

In the website, Chapters can expect to find reference copies of relevant Board Resolutions (BR), Administrative Orders (AO) / Office Orders (OO) and Memoranda, as well as Advisories, Supplemental Guidelines, and others, with some dating back as early as the 1990s.

All chapters along with their current chapter trustees and officers, with their chapter contact details, are also allocated a page to serve as a directory for the members in their respective areas of jurisdiction. Details of the National Secretariat Staff are also available at the site.

Similarly, the website has pages for previous Midyear Conventions and Annual General Membership (AGM) Meetings, as well as a tribute listing of Former Presidents of the Institute beginning 1950.

Members can also download at their convenience digital copies of IECEPistle, the Institute's Official Newsletter through a dedicated section in the Website. Aside from the usual news updates, event sponsors are also recognized in the website.

While at it, members can also listen to the recently launched IECEP Hymn "ECs Let's Build the Nation." The lyrics is also available for download at the website.

Links to the Virtual Store through the Online Marketplace also made available IECEP Merchandise for sale for members, which includes integrated delivery and courier services.

Facilities reservation for using the IECEP Home, such as its Training Hub, the Executive Board Room and its Research Laboratory, among others, are likewise accessible through the site. Donors, contributors and pledgors to the IECEP Home will be able to find their names published and immortalized in the IECEP Website, acknowledging their support for the project.

Useful links are also published in the same, including access to the MyIECEP Portal, PRC Website and other relevant sites such as the IECEP Journal and the Official IECEP YouTube Channel, as well as internationally-renowned learning sites which may be applied for CPD self-accreditation.

Part of the new additions to the growing features of the IECEP Website is the Chapter Finder, wherein members may be able to key in their domicile or employment address, allowing them to identify which chapter operates within the locality.

Soon to be launched also are the sections for affiliated Higher Education Institutions (HEIs), as well as institutional members including corporate and other non-profit organizations. Special sections for Societies and Committees, including a section for former BoDs are to be published in the next quarter.

The IECEP website is a work in progress, yet, at its current form it serves as an all-in-one information center for both members and officers, as well as the other stakeholders of the organization. iecepnational.com is an exciting place to learn about the institutional history and appreciate the day-to-day operations of IECEP.

Suggestions as to how the Website Committee can further strengthen the online reach or integrate new features can be coursed through the Contact Us portion of iecepnational.com. Happy browsing!

Engineers Give Young Women Hope for an Interconnected Future

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With Reports From:
MARIANNE FATIMA VALENZUELA
Chair, IECEP QC Student Chapter

The Institute of Electronics Engineers of the Philippines - Quezon City (IECEP - QC) Chapter collaborated with the Department of Information and Communications Technology (DICT) and the Philippine Network Operators' Group (PhNOG) in supporting the International Telecommunications Union's (ITU) call to commemorate International Girls in ICT Day 2022.

Celebrated globally across 150 countries every 28th of April, the day celebrates girls and young women, and encourages them to pursue studies and careers related to technology such as electronics engineering.



DICT Assistant Secretary Nestor Bongato expresses his gratitude to the IECEP - QC and Philippine Network Operators Group (PHNOG) by presenting a plaque of appreciation

As we continue to recognize and adapt to the new normal, technology has contributed greatly to this transition and transformation. Various sectors sought ways to cope with the challenges brought by the pandemic, including the education sector.

In the pursuit to sustain education, online learning has gradually been recognized as the most suitable method. An integral part of the implementation relies highly on ICT devices and applications, such as access to the internet. However, this remains an issue, most especially for students from low-income households.



Representatives from IECEP QC, DICT, PhNOG hands over the routers to the students of Nangka Elementary School (left) and Leodegario Victorino Elementary School (right)



DICT
DEPARTMENT OF INFORMATION AND
COMMUNICATIONS TECHNOLOGY

PhNOG

Philippine Network Operators Group



QUEZON CITY CHAPTER



IECEP-QC Vice Governor for Education, Engr. Wong, delivers his message to the recipients

Thus, in line with the celebration, Mobile Prepaid Routers were distributed to select young girls from public schools particularly Nangka Elementary School and Leodegario Victorino Elementary School Marikina last April 27. IECEP - QC, DICT, and PhNOG visited these educational institutions to personally turn over the routers to deserving girls as a means to supplement their connectivity requirements for online learning.

As these students become more equipped in learning, may they recognize the integral role of technology in this step forward and be inspired to be part of its advancement in the future.



IECEP-QC Governor and DICT Chief for National ICT Plans Development Delivers a message to the recipients.

IT'S THE TIME OF THE YEAR AGAIN! A #MIDCON2022 NARRATIVE

Author:

ENGR. PAULO R. LALAGUNA
IECEP Singapore - Secretary

The half-year milestone in our AIPO's busy calendar of events had kicked-off this year's theme and direction of the organization; and gave a glimpse of what could be expected in the days to come.

The 72nd Institute of Electronics Engineers of the Philippines – Midyear Convention with the theme, "Electronics Professionals Leading Progressive Digital Innovation and Nation-Building Strategies" on the 2nd until 4th of June 2022, is the first ever hybrid event with the Face-to-Face (F2F) or onsite venue at Acacia Hotel, Lanang, Davao City and streamed live via the organization's Zoom webinar account. The event had been accredited with a total of 18 CPD Units and two charming and empowered women of the organization, in the person of Engr. Tanya Molarto-Osorio, IECEP Publications Committee Chairman and Engr. Beatrice D. Peralta, Lakambining Inhinyera 2021-1st Runner Up served as Masters of Ceremony.



The three-day event started with a heart-warming welcome remarks from this year's Special Programs Committee Chairman, Engr. Jessie O. De Toro Jr.; followed by a very invigorating message from our National President, Dr. Mishell D. Lawas. Dr. Alnar L. Detalla, PRC-PRB of Electronics Engineering Chairman had introduced both of the guest speaker and the keynote speaker. Incoming PRC Commissioner, Atty. Erwin M. Enad gave his inspirational message as the guest speaker while the outgoing PRC Commissioner, Hon. Jose Y. Cueto engaged both the online and onsite audiences with his keynote speech.

The first day saw the official launching of the IECEP Hymn, commissioned through the coordination of Engr. Adonis Q. Talabo, Technical Development Committee Chairman and the efforts of the entire IECEP Hymn Committee. A series of technical talks filled up the day's schedule starting with Emergency Telecommunications Landscape in Building Disaster Resilience by Hon. Usec. Alan A. Silor of the DICT, followed with Cyber Securing Critical Infrastructure: Spotlight on Operational Technology by Engr. Kris Andrew B. Trinidad, IECEP National Director and concluded with Nation-Building Through ICT and Digital Transformation in the New Normal by Engr. Benjz Gerard M. Sevilla, IECEP National Treasurer. Industry partners MITACOR (Maharlican Innovations & Technology Applications Corporation) and ESSCOR (Electronic Security System Corporation) had each been given half-hour presentations to showcase their products, solutions and services.



The second day showcased a triumvirate of very interesting topics, kick-started with WiFi 6/6E and Multi-Gig Technology by Engr. Sajid N. Macabalang, IECEP Telecommunications Society Chairman; immediately followed by Project Management – The Fundamental Approach conducted by Engr. Ronwaldo J. Reyes, IECEP Rizal Governor and Engr. Alberto Mario B. Agu, IECEP CAR Governor at the venue and by Engr. Jason A. Guerrero and Engr. Raymund Renato M. Canta of IECEP Rizal Chapter, online via Zoom; and concluded by Intelligent Robots – An Introduction by Engr. Diogenes Armando D. Pascua, USTP Professor and CEO of Shiftech Marine Inc.

Industry partners Panasonic Philippines Manufacturing Corp. and Fortinet have both been given an hour and a half-hour presentations respectively, to showcase their products, solutions and services. The highlight of the second day is the MOA-MOU signing between IECEP Inc. and the Commission on Filipino Overseas (CFO) to deliver much quality assistance to the organization's foreign-based members as well as with the University of Perpetual Help Delta System – Molino (UPHSD) to deliver assistance to future Electronics professionals. The day ended with the General Assembly and the Awarding of Accredited Societies and Chapters Recognition, Citation and Acknowledgements.

The third and last day of the event had been spent with a City Tour that began in the morning. The attendees were brought to Eden Nature Park and Resort Davao, Malagos Garden Resort, and Malagos Chocolate Museum. This year's Midyear Convention had been brought in part by PERC DC Inc., Excel First Review and Training Center Inc., STEAG State Power Inc. and Avida Land Corp.; and attended by more than the combined 1,000 strong online and onsite participants.

Kudos to all of our ever reliable and dependable partners from IECEP Qatar, SOCCSKSARGEN, North Mindanao and Rizal chapters for the very successful event and the collaborating chapters of Cavite, Batangas, Pampanga, Tarlac, CAR, LuPang and Singapore for the post-event coordination and completion reports. Gratitude also is extended to the National Secretariat, the Quezon City chapter and the DICT Davao Regional Office for supporting the Registration, Merchandise Sale and the Industry Trip. Much appreciation goes as well to the Big Hero 9—the students from Mindanao State University-General Santos City—for the technical and overall assistance in the conduct of the event.



ELECTRONICS PROFESSIONALS ATTEND INTERNATIONAL TELECOMMUNICATIONS UNION (ITU) COUNCIL MEETING

Representatives from the Department of Information and Communications Technology (DICT) and National Telecommunications Commission (NTC) joined the 2022 Council Meeting of the International Telecommunications Union (ITU) in Switzerland.

ITU is the United Nations' (UN) specialized agency for information and communication technologies (ICT). Member State Councillors such as the Philippines are elected, and the its candidature was geared for the advancement of the domestic, regional and global telecommunications industry, as well as for mutually beneficial endeavors and projects related to Disaster Risk Reduction Management (DRRM), Radio Regulations and Policies, and Telecommunications Standards Development, among others.

The delegation was composed of the following electronics professionals: from the DICT, Undersecretary Alan A. Silor, PECE (Incumbent IECEP National Vice President for External Affairs), Director Gemma P. Baysic, PECE (Incumbent IECEP Quezon City Governor), Chief Gina E. Rodriguez, PECE, Engr. Benjz Gerard M. Sevilla (Incumbent IECEP National Treasurer); from the NTC, Director Imelda R. Walcien, PECE (Former IECEP National President), and Chief Roberto P. Tolentino, PECE (Former IECEP National Director).

Engr. Silor was designated as the Head of the Philippine Delegation and ITU Councillor. He delivered the Philippines' remarks about the efforts for the rebuilding of telecommunications infrastructure in Ukraine, as urging concerned parties to preserve digital infrastructures in cities where conflicts arise: "We believe that a reliable telecommunication network is essential in promoting the socio-economic development of countries, especially those that have been affected by natural disasters, as well as domestic and regional conflicts, in order to enable them to achieve the [UN] Sustainable Development Goals."

It is worth noting that Former IECEP National President Aurora A. Rubio, PECE also previously served as Head of the ITU Area Office handling Southeast Asia, including the Philippines, from 2005 - 2017, and was involved in development activities particularly in areas related to digital inclusion, telecommunication policy and regulations, and cybersecurity.

In 2018, ITU supported the country in the Innovative Selection of the New Major Player in the Public Telecommunications Market in the Philippines, wherein IECEP also sat in various Public Consultations. IECEP participated in past ITU activities as part of the private sector representation.

While the delegation is composed of IECEP Officials, no cost to the Institute was associated with the participation in the 2022 ITU Council. The ITU through the ITU Academy also offers free capacity development activities and offers a large selection of online courses. Interested IECEP Members are advised to check the catalogue via <https://academy.itu.int/>; completed courses may then be applied for Continuing Professional Development (CPD) credits.

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