Newsletter December 2022

NBN and BEC join forces

All standards now available on a single platform

As of January 1, 2023, NBN will also sell all standards in the field of electrical engineering and electronics. The NBN and the BEC signed an agreement to this effect on 26 October 2022. All Belgian, European and international standards will now be available on a single platform.

Until now, the BEC (Belgian Electrotechnical Committee) was responsible for the sale of electronics and electrotechnics standards, while the NBN (Bureau de Normalisation) was responsible for the sale of all other standards. This agreement was signed to include standards for electrical engineering and electronics in the NBN's offering from 1 January 2023.

Both Dirk De Moor, secretary general of the BEC, and Johan Haelterman, chairman of the NBN Executive Committee, are delighted with this collaboration.

"Companies need simple services. With this important step, we will make life easier for many people."
Johan Haelterman - NBN

"The move to a centralized standards platform will ensure better service and service and cost efficiency".
Dirk De Moor - BEC

Everyone wins!
This is a logical step that will benefit everyone:

- customers and companies will finally find all Belgian, European and international standards in one place
- BEC members and NBN customers will benefit from an expanded offer and service
- BEC members will be able to manage their existing standards collections on the NBN's online platform

The BEC will continue to be responsible for the development of standards in the electronic and electrotechnical field. In addition, the Technical Officers will continue to be the dedicated contact points for the BEC for substantive questions on BEC standards.

Any questions?

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BEC training on standardization

BEC is organizing a modular training on standardization. The training is aiming at fostering the knowledge of the experts in order to facilitate their participation in the standardization works.

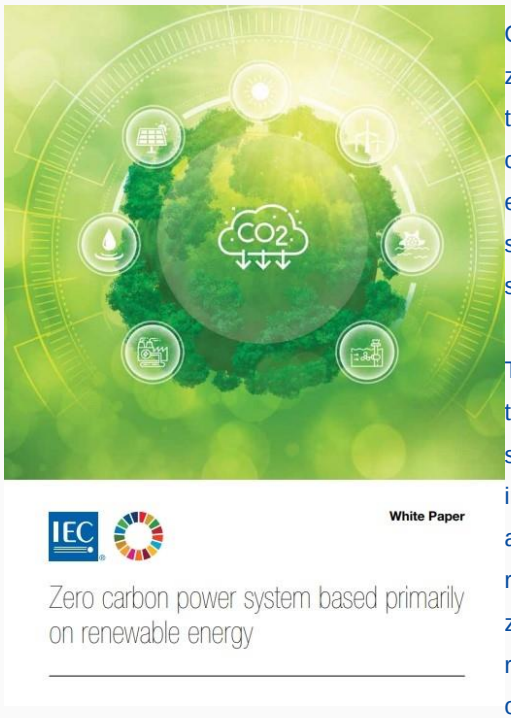
The trainings are free of charge for all employees from BEC member companies, whether they belong to the standardization department or not. For other interested parties, the participation fee is 100 Euro + VAT per half-day. An invoice will be send upon registration.

The following trainings are open for registration:

- ***Harmonized standards & the role of HAS consultants***
  - Date: 7 December 2022 in the BEC offices
  - Timing: 10h00 - 12h00
  - Trainer: Nuno Pargana (CCMC)
- ***Basic knowledge (national expert)***
  - Date: 14 December 2022 in the BEC offices
  - Timing: 10h00 - 18h00
  - Trainers: IEC & CENELEC
- ***Advanced knowledge (international expert)***
  - Date: 15 December 2022 in the BEC offices
  - Timing: 10h00 - 18h00
  - Trainers: IEC & CENELEC
- ***The CEB-BEC organization***
  - Date: 17 January 2023 in the BEC offices
  - Timing: 10h00 - 12h00
  - Trainer: Marc Cumps (BEC)
- ***Standards and legislation***
  - Date: 23 January 2023 in the BEC offices
  - Timing: 13h30 - 17h30
  - Trainer: Panos Delimatsis (Tilburg University)
- ***IEC & CENELEC organizations***
  - Date: 26 January 2023 - online session
  - Timing: 10h00 - 12h00
  - Trainer: Geert Maes (Karabe)
- ***CENELEC technical decision making***
  - Date: 2 February 2023 - online session
  - Timing: 10h00 - 12h00
  - Trainer: Geert Maes (Karabe)
- ***Deep dive in the Frankfurt Agreement***
  - Date: 9 February 2023 - online session
  - Timing: 10h00 - 12h00
  - Trainer: Geert Maes (Karabe)
- ***The importance of standards in the procurement pr***
  - Date: 22 February 2023 in the BEC offices
  - Timing: 13h30 - 17h30
  - Trainer: Panos Delimatsis (Tilburg University)
- ***The importance of standards in the sales process***
  - Date: 23 March 2023 in the BEC offices
  - Timing: 13h30 - 17h30
  - Trainer: Panos Delimatsis (Tilburg University)
- ***Practical exercise, "IEC boot camp"***
  - Date: 19 April 2023 - life session
  - Timing: 10h00 - 18h00
  - Trainer: IEC

For more information or subscription click here

IEC White Paper “Zero carbon power system based primarily on renewable energy“



Over 130 countries around the world have committed to a goal of net zero carbon emissions. This challenge has profound implications for the electrical power system of a nation which will need to eliminate its carbon emissions as well as add carbon-free capacity to meet new electrical demands. It will entail immense effort from a broad range of stakeholders involved in the areas of policy and law, regulation, standardization, and technology.

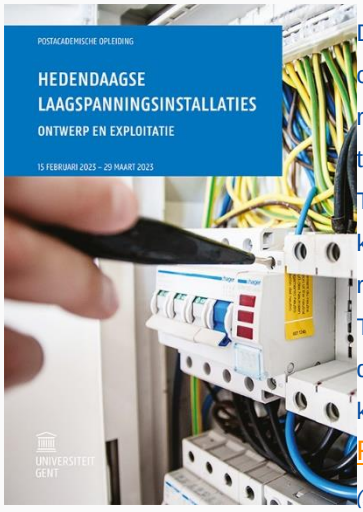
To ensure that energy systems, platforms, devices and markets can transition and work effectively in a zero-carbon power system, standards have a critical role to play. They will need to ensure interoperability, maintain a minimum level of performance and safety, and help guide the transition towards new technologies and operating regimes. While a range of standards exist today that are relevant to the zero-carbon vision, a zero-carbon power system will require a broad range of new standards to ensure reliable, efficient and resilient system operation.

Given the breadth of change and technical challenges to achieve a zero-carbon future, standards have a key role to play in the evolution of the power system, and in facilitating the transition. The IEC has published a white paper, Zero carbon power system based primarily on renewable energy, which considers the challenge of decarbonizing the power system, the resulting required transition ahead, and what this may mean for the IEC, its members and its standards.

This white paper has been prepared by a project team representing a variety of organizations, working under the IEC Market Strategy Board. The project team included representatives from electrical power network businesses, standards organizations, and equipment vendors from around the world. Dr Jianbin Fan, from the State Grid Corporation of China and an IEC Market Strategy Board member, served as the project sponsor.

Download the complete white paper.

"Contemporary low-voltage installations - Design and operation" training at the UGent Academy of Engineering - February 15, 2023 - March 29, 2023



Dimensioning industrial electrical installations is a complex business. Not only continuous change in technology and operation, but also the amended AREI/RGIE regulations make it a necessity for designers and/or operators to master and update the required knowledge.

This course is designed to transfer such knowledge. This course gives you a broad knowledge about dimensioning low voltage installations and current power quality related problems and solutions.

The course is intended for anyone who regularly comes into contact with the dimensioning of low-voltage installations or who wishes to acquire in-depth knowledge in this area.

For more information and subscription click here.

(source of the image and text: UGain)

Hendrik Deleye, one of our YP's in San Francisco, gives us his feelings about this experience.

Hendrik Deleye: *"The first week of November I had the honour of representing Belgium in the Young Professionals program during the General assembly meeting of IEC at San Francisco. There I met fascinating young minds from across the world and from a whole range of industries. Yet we were all interested in the very same thing, standardization. The week involved several panel sessions of IEC board members, previous young professionals, and technical committee leaders. The 'Standard in a day' workshop introduced the YP's to the process of developing a standard and working towards consensus during this process. This was followed by the Conformity assessment workshop showing the implementation side of a standard. We closed off the week with presenting the brainstorm results during the General assembly meeting which received high praise and interest. In short the week was packed with information about IEC and the workings of IEC. An occasion I will keep close to heart for all the lessons learned and people that I have met during that week."*

Picture from left to right: Dirk De Moor, Dries Vanoost and Hendrik Deleye

Dries Vanoost also wanted to share his experience as a Young Professional in San Francisco.

Dries Vanoost: *"I'm grateful to have been selected by the Belgian National Committee of the IEC (International Electrotechnical Commission) to represent one of the two Belgians in the Young Professionals Program. This excellent program occurred during the 86th IEC General Meeting in San Francisco. We witnessed how international standardization and conformity assessment are being shaped as the next-generation experts and leaders in the electrotechnical industry. The experience I shared with the other Young Professionals (YPs), YPs with different ideas, perspectives, and takes on subjects, led to phenomenal results. This close interaction has led to a fostering of a new set of people with like-minded beliefs. It was an unforgettable experience to be one of 85 young professionals from 46 countries participating in the week-long program. This program involved several panel sessions of IEC board members, previous YPs and technical committee leaders. The 'Standard in a day' workshop introduced the YPs to developing a standard and working towards consensus during this process. This was followed by the Conformity assessment workshop showing how to implement a standard. At the end of the week, the YPs presented their brainstorming results at the General assembly meeting, which received high praise and interest. I will keep this occasion close to my heart for all the lessons learned and the people I met that week. Special thanks to the BEC, IEC for all of the support and making this opportunity possible for me and especially to the organizers at IEC with Aristea Kyriakati head of Affiliate Countries and Membership Programs for their efforts and coordination."*

Picture from left to right: Dirk De Moor, Hendrik Deleye and Dries Vanoost

1906 Awards distributed at the NBN Thank you Event on November 24, 2022.

The BEC is pleased to have been able to present 4 awards at the NBN event which took place on November 24, 2022 at the Bozar in Brussels.

Dirk De Moor, Secretary General of the BEC handed over the awards to Johan Van de Velde (Technology Manager at Bekaert Belgium and member of TC 7) and Bart Maximus (Director of Technology and Innovation at Barco Belgium and president of TC 110) for the 2021 edition.

For the 2022 edition, Sigrid Jacobs (Product Development Manager Electrical Steels at ArcelorMittal Global and president of the TC 68) and Rony Haentjens (Standardization and Certification Manager at Niko and president of the TC's 23B-23K-70-109) also received the award.
The IEC 1906 Award was created to commemorate the founding of the IEC and honours technical experts from around the world whose work is fundamental to the IEC.
Each expert receiving this award was nominated by the leaders of the relevant technical committee, also taking into account the advice of the leaders of the subcommittees. This means that the award is given on the basis of a nomination by their industry peers. They receive this award because, in the opinion of the study committee, they have made an outstanding recent contribution to the development of a specific work project.

Picture from left to right: Dirk De Moor, Rony Haentjens, Johan Van de Velde, Sigrid Jacobs and Bart Maximus

BEC's upcoming meetings

CEB-BEC INCERT - Building Committee - December 20, 2022
CEB-BEC INCERT - Mark Committee - December 20, 2022
CEB-BEC INCERT TC WG2 - AHWG Cloud - January 10, 2023
CEB-BEC INCERT TC WG4 - T 021 + T 022 - Vehicles - January 11, 2023
CEB-BEC INCERT TC WG5 - T 020 - Monitoring Center Certification - January 11, 2023
CEB-BEC INCERT WG2 - Strategy - January 19, 2023
CEB-BEC 81/AHWG - Lightning protection - January 31, 2023
CEB-BEC 45 - Nuclear instrumentation - February 14, 2023
CEB-BEC 68 - Magnetic alloys and steels - February 16, 2023
CEB-BEC 21 - Secondary cells and batteries - February 17, 2023
CEB-BEC 82 - Solar photovoltaic energy systems - March 1, 2023
CEB-BEC 125 - Personal e-Transporters (PeTs) - March 3, 2023
CEB-BEC 215 - Electrotechnical aspects of telecommunication equipment - March 9, 2023
CEB-BEC 88 - Wind turbine systems - March 15, 2023
CEB-BEC 109 - Insulation co-ordination for low-voltage equipment - March 16, 2023
CEB-BEC 117 - Solar thermal electric plants - March 17, 2023
CEB-BEC 64 - Electrical installations and protection against electric shock - March 23, 2023
CEB-BEC 44 - Safety of machinery - Electrotechnical aspects - March 24, 2023
CEB-BEC 111 - Environment - April 3, 2023
CEB-BEC 47 - Semiconductor devices - April 17, 2023
CEB-BEC 62 - Electrical equipment in medical practice - April 25, 2023
CEB-BEC 120 - Electrical Energy Storage (EES) Systems - April 26, 2023

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