



SESEI

SECONDED EUROPEAN
STANDARDIZATION EXPERT
IN INDIA

Newsletter



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European
Committee for
Standardization



European Committee
for Electro Technical
Standardization



European
Telecommunications
Standards Institute



European
Commission



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Association

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Greeting from SESEI!



Dear Reader's

A very warm and hearty welcome to all of you to another edition of the SESEI Newsletter India for the month of October 2023, bringing you latest updates on standards & new technologies.

During the month of October, the India-European Union (EU) Trade & Technology Council (TTC) Working Group 2 (WG2) convened a two-day workshop on "Green & Clean Energy Technologies". Further, India and France signed an MoU on cooperation in the field of Digital Technologies. The MoU intends to enhance the G2G and B2B bilateral Cooperation in the field of Digital technologies as well as increase the employment opportunities in the field of IT.

A secure and innovative Digital world is one of the key priorities of Europe. To realize this vision, CEN and CENELEC the standardization bodies of Europe are working work on many technology topics such as [Artificial Intelligence](#), [Cybersecurity and Data protection](#), [Quantum Technologies](#), [Blockchain and Distributed Ledger Technologies](#) etc.' bringing together experts from 34 countries in Europe to collectively tackle technical challenges and contribute to the development of a fully functioning European Digital Single Market.

Similarly, with ETSI's commitment towards Artificial Intelligence & Secure AI, its Industry specification Group on AI has become a

technical committee (TC), which will address activities covered by a Standardization Request (SReQ) raised by the European Commission. The ETSI TC on AI will directly contribute to standardization requests, which may include, but not limited to the AI Act, Cybersecurity Resilience Act and Network Information Security (NIS-2).

I am also very happy to inform you that, acknowledging the key role of Standards and related policies in Digitization and Clean and Green Technologies, Project SESEI is organizing its 4th edition of [the Indo-European Conference on Standards & Emerging Technologies](#) on 7th December 2023 in New Delhi. The Conference will explore the important topics relevant for both India and Europe i.e., **Circular Economy (e-Waste, Plastics)**, **Connectivity in Smart Cities (Digital, Energy & Transport)** and **Data Privacy & Cyber Security**. Experts from Europe and India would be presenting latest updates and discuss the gaps & challenges and the areas to work together. **Register and Participate in this conference.**

With this, we invite you to read the India Newsletter and provide us with your valuable feedback.

Warm regards,

Dinesh Chand Sharma

Director Standards & Public Policy

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Standardisation
Expert in India
Enabling Europe-India Cooperation on Standards



Generic/Standards/IPR



EU Industry Days 2023: The Power of Standardization to Support Business Growth

The [EU Industry Days](#) are Europe's flagship annual event focusing on key industrial policy discussions, connecting industrial frontrunners, and boosting the knowledge base of European industry. Every year, they provide an opportunity to companies, entrepreneurs, organizations, national ministries, regional authorities and other industrial stakeholders to organise their own sessions as part of the official programme.

This [year's edition](#) took place in Malaga from 4 to 6 October. As part of the event, on 5 October, CEN, CENELEC and Orgalim (the organization representing technology industries in Europe) co-hosted the panel '[Harnessing the Power of Standardization for Business Success](#)'.

During the event, the panelists also shared their practical experiences on the benefits of standardization for business, together with the first-hand challenges their companies faced in dealing with standards and standardization. They stressed the value of standards in building trust, guaranteeing interoperability, and providing access to the global market. They also reminded the importance of engaging the industry in the development of standards, in order for them to be effective and useful.

[Read more](#)

New EN 17343 Provides a Common Grammar for the Railways Community

European Committee for Standardization (CEN) has announced that a new version of [EN 17343:2023 'Railway applications - General terms and definitions'](#) has been developed by [CEN/TC 256 'Railways applications'](#).

This new edition contains numerous updates: improved definitions; addition of rolling stock and infrastructure related terms, as well as general terms; adaptation of the structure; and it also has an additional section to present the use of the terms in heavy rail and/or urban rail systems.

With more than 120 entries, this European 'bible' for railways terminology articulates definitions of dedicated CEN, CENELEC, ISO and IEC standards, ISO/IEC Guides, CEN and CENELEC Guides and specific terminology databases. It also tries to reflect the terms and definitions used in relevant Technical Specifications for Interoperability (TSIs) of [Directive 2016/797/EU on the interoperability of the railway system in EU](#), as well as those used for rail-bound rolling stock excluded from the scope of TSIs.

[Read more](#)





Digitization

The Future of the Single Market: How Standards Help Europe Prepare for the Digital Challenges of Tomorrow

With the fast pace of digitalisation in the modern world, a strong EU Single Market is needed to ensure European consumers and businesses can take advantage of new and innovative technologies. The European Standardization System has already started to build the digital future.

The EU is putting forward policies to strengthen Europe's capacity in emerging technologies. CEN and CENELEC work on many technology topics such as [Artificial Intelligence](#), [Cybersecurity and Data protection](#), [Quantum Technologies](#), [Blockchain and Distributed Ledger Technologies](#) etc.' bringing together experts from 34 countries in Europe to collectively tackle technical challenges technologies and contribute to the development of a fully functioning European Digital Single Market. [Read more>>](#)

ETSI's Zero-touch Network Service Management Group Renewed for Two Years

ETSI has announced the extension of its Zero touch network and Service Management group (ISG ZSM) for an additional 2 year-period. Created in December 2017, the group has grown to include nearly 80 participating organizations. ISG ZSM has to date published several works related to intent-driven networks (GR ZSM 011), AI enablers (GS ZSM 012), cross-domain lifecycle management (GS ZSM 008) and closed-loop automation (GS ZSM 009).

In addition to this, new work has progressed in a series of items advancing aspects related to security (GS ZSM 014), CI/CD automation in relation with AI (GR ZSM 013), intent (GR ZSM 011) and closed-loop automation (GR ZSM 009-3). The group has also opened new work items, addressing the combination of intent and closed loops (GS ZSM 016) and the application and enablement of network digital twins (GR ZSM 015).

Five Proofs of Concept (PoCs) have been successfully completed, consolidating the connection of the ISG with innovation activities, and contributing to positioning



the ZSM framework as one of the foundations for the architectures being considered for next-generation networks, particularly in the recently initiated activities towards defining 6G.

[Read more](#)

ETSI's Securing AI Group Becomes a Technical Committee to Help ETSI to Answer the EU AI Act

As the second term of the Industry Specification Group Securing AI (ISG SAI) is scheduled to conclude in Q4 2023, and in line with ETSI's commitment to AI and SAI, the group has suggested the closure of ISG SAI, with its activity transferred to a new ETSI Technical Committee, TC SAI.

According to the ETSI Directives, Industry Specification Groups cannot address activities covered by a Standardization Request raised by the European Commission. As a Technical Committee, TC SAI will have the capability to directly contribute to standardization requests, which may include, but not limited to, the future AI Act, Cybersecurity Resilience Act and NIS2.

The primary goal of the Technical Committee for Securing Artificial Intelligence (TC SAI) is to develop technical specifications that mitigate threats arising from the deployment of AI. These threats may originate from other AI systems or conventional sources. In the short to medium term, the Committee will focus on the application of Machine Learning (ML). However, the group will also provide guidance and evaluation reports to ETSI and its stakeholders on broader AI developments.

[Read more](#)



Green and Clean Technologies



ptb.gov.in

India-EU Trade and Technology Council Working Group 2 Held Two-Day International Workshop on Green & Clean Energy Technologies

The India-European Union (EU) Trade & Technology Council (TTC) Working Group 2 (WG2) convened a two-day international workshop on “Green & Clean Energy Technologies” during October 10-11, 2023. The workshop was organized by the Office of Principal Scientific Adviser to the Government of India and hosted by the Ministry of New and Renewable Energy (MNRE) in hybrid mode.

India-EU-TTC is strategic coordination and engagement on trade and technology between India and Europe. It was formally announced on 25 April 2022 after the bilateral cooperation meeting between the Hon'ble Prime Minister of India, Shri Narendra Modi and the President of the European Commission Ursula von der Leyen. Within the framework of the TTC, three working groups have been set up. The Working Group 2 on Green & Clean Energy Technologies is chaired by Professor Ajay Kumar Sood, Principal Scientific Adviser (PSA) to the Government of India from the Indian side and Mr. Marc Lemaître, Director-General, Directorate General

for 'Research and innovation', European Commission, Brussels from the European side.

The workshop was divided into four insightful sessions: 1) Waste to Green Hydrogen 2) Marine Plastic Litter and Wastewater 3) a. E-Mobility: Circulatory Aspects of Batteries b. Interoperability of Charging Infrastructure and 4) Standards.

[For more information please click here](#)

Standardization Ready to Support the EU's Wind Power Action Plan

CEN and CENELEC welcome the [European Wind Power Action Plan](#), released on 24 October 2023 by the European Commission, and are ready to collaborate towards ensuring that Europe maintains a leadership position in wind energy.

The Plan highlights the significant role of wind power in securing supply of renewable energy across Europe. The package is expected to unlock European wind power by accelerate permitting, streamline auction processes, and focus on skills, access to finance and stable supply chains.



Historically, the European wind sector has been an innovative leader thanks to the knowledge and resources put aside for development of technology and standards. Standardization shapes the playing field and market conditions for European companies within EU as well as internationally.

[Read more](#)

Commission Reports on EU policy Initiatives to Promote Investments in Clean Technologies

The European Commission (EC) has adopted a Communication 'Report on EU policy initiatives for the promotion of investments in clean technologies' on 24th October 2023. The Communication sets out what the EU has done to promote and support the development and deployment of clean technologies, reinforcing the Single Market, ensuring a level-playing field, supporting research and innovation, expanding its network of trade agreements and international strategic partnerships, and mitigating the impact of external developments.

It also addresses the initial impact of the US Inflation Reduction Act (IRA), as requested by the European Council, and states that other players, notably China, have also launched active public support programmes that are likely to have an impact on the investment environment for clean technologies in the EU.

[Read more](#)

A New European Standard Helps Reduce the Environmental Impact of Postal Services

As part of the green transition, and due to a growing awareness on environmental aspects among businesses and customers, an increasing number of organizations are engaged in monitoring and reducing their environmental impact. This commitment also targets some traditional sectors, which are evolving to better address their customers' new green ambitions.

This is the case of a new standard, dedicated to postal services. [EN 17837:2023 'Postal Services - Parcel Delivery Environmental Footprint - Methodology for calculation and declaration of GHG emissions and air pollutants of parcel logistics delivery services'](#) describes how to quantify and report greenhouse gas and air pollutant emissions from parcel delivery services.



centenelec.eu

In particular, EN 17837 sets out the methodology for quantifying greenhouse gas and air pollutant emissions for each stage of a parcel delivery transport chain. It also outlines how to report emissions on a parcel basis, to support delivery service providers in developing their corporate ESG reporting and help them communicate clearly with their customers about their greenhouse gas emissions.

[Read more](#)

Updated Strategic Energy Technology Plan for Europe's Clean, Secure and Competitive Energy Future

The revision of the Strategic Energy Technology (SET) Plan, adopted on 20 October, will help harmonise the original SET Plan strategic objectives with the [European Green Deal](#), [REPowerEU Plan](#) and the [Green Deal Industrial Plan](#) – notably, the [Net-Zero Industry Act](#). It will ensure a coordinated approach towards achieving Europe's decarbonisation goals, supporting strategic net-zero technologies, and building a sustainable and resilient energy future and industrial competitiveness.

CARBON BORDER ADJUSTMENT MECHANISM

#EUGreenDeal

hakangurudai.com

Established in 2007, the SET Plan has been crucial in supporting the development of clean, efficient and cost-competitive energy technologies through coordination and collaboration in clean energy research and innovation among European industry, academia, and national governments.

While the updated SET Plan will continue to be essential for delivering on the fifth dimension of the [Energy Union](#) – that is, Research, Innovation and Competitiveness – it will also be firmly anchored within the [European Research Area \(ERA\)](#) framework.

[Read more](#)

Carbon Border Adjustment Mechanism (CBAM) Starts to Apply in its Transitional Phase

On 1st October, the Carbon Border Adjustment Mechanism (CBAM) entered into application in its transitional phase. CBAM is the EU's landmark tool to fight carbon leakage and one of the central pillars of the EU's ambitious [Fit for 55 Agenda](#). It will equalise the price of carbon between domestic products and imports. This will ensure that the EU's climate policies are not undermined by production relocating to countries with less ambitious green standards or by the replacement of EU products by more carbon-intensive imports. CBAM is a WTO-compatible measure that encourages global industry to embrace greener and more sustainable technologies.

In its transitional phase, CBAM will only apply to imports of cement, iron and steel, aluminium, fertilisers, electricity and hydrogen. EU importers of those goods will have to report on the volume of their imports and the greenhouse gas (GHG) emissions embedded during their production, but without paying any financial adjustment at this stage. While importers are asked to collect data for the fourth quarter of 2023, their first report will only have to be submitted by 31 January 2024. Furthermore, a number of flexibilities have been built into the CBAM's structure for the first year of application, such as the use of default values for the reporting of embedded emissions and the possibility to use the monitoring, reporting and verification rules of the country of production.

[Read more](#)





EU/EFTA-India

Want to Maintain Positive Momentum in EU-India Relationship: Ambassador Delphin

In an exclusive interview with India Today, new European Union envoy to India, Ambassador Herve Delphin talked about his mission, expectations from India, FTA and on a slew of issues.

On his agenda in India during his stint here, he said "I see three main reasons for me in my tenure here as the EU Ambassador. First is that the EU-India relationship has been on an ascending trajectory over the last year. I see my role here to maintain and sustain this positive momentum in our relations. If you look at the figures and context, this has been thriving, but there is still a huge potential that needs to be untapped whether it is in trade, people's movement green technology; there is a whole lot to be done.

[For watching interview, please click here](#)

Cabinet Approves MoU between India and France on Cooperation in the Field of Digital Technologies

The Union Cabinet chaired by Prime Minister Shri Narendra Modi has approved the signing of the Memorandum of Understanding (MoU) between the Ministry of Electronics and Information Technology of the Republic of India and the Ministry of Economy, Finance and Industrial and Digital Sovereignty of the French Republic on cooperation in the field of Digital Technologies.

The MoU intends to promote closer cooperation and exchange of information pertaining to the digital technologies and will mutually support each Participant's goal to promote access to digital Technology in their country in accordance with the MoU.

The cooperation under this MoU will start on the date of its signature by both Participants and will last for five (5) years.

[Read more](#)



Whitepapers/ Publications



New White Paper Explores ETSI TeraFlowSDN Alignment with TIP OOPT MUST Requirements

The White Paper titled "[ETSI TeraFlowSDN Alignment With TIP OOPT MUST Requirements](#)" analyzes the support in TeraFlowSDN of the essential requirements for SDN control of transport networks, as defined by the Telecom Infra Project's Open Optical & Packet Transport (OOPT) group.

[Read more/Download](#)



Events Calendar 2023

4th Indo-EU conference of “Standards and Emerging technologies”

When: 7th December 2023

Where: New Delhi (hybrid mode)

Project SESEI is organizing 4th Indo-EU conference on “Standards & Emerging Technologies” which will focus on important topics such as Circular Economy (e-Waste, Plastics), Connectivity in Smart Cities (Digital, Energy & Transport) and Data Privacy & Cyber Security. For agenda, registration, please [click here>>](#)

DKE Stakeholder Workshop Semiconductors

When: 13 November 2023 (online)

Kick-Off on development of a standardization roadmap on secure chips. [More Information>>](#)

Road to Net Zero: Standards for an All-Electric Society

When: 5 December 2023 (online)

Electricity plays a key role to achieve climate neutrality and the Green Deal objectives. What does it mean for products and systems to generate, store, and use 100% carbon-free electricity and how can we absorb the consequences of this expansion? [More information>>](#)

LTA Signature Augmentation and Validation Plugtests 2023

When: 23 October-24 November 2023 (Remote)

ETSI Centre for Testing and Interoperability (CTI) is organizing on behalf of TC ESI, ETSI's Technical Committee for Electronic Signatures and Infrastructures with the support of the European Commission (EC) and European Free Trade Association (EFTA), the LTA Signature Augmentation and Validation Plugtests 2023. [More information>>](#)

10th UCAAT - User Conference on Advanced Automated Testing

When: 14-16 November 2023

Where: Timisoara, Romania

The UCAAT 2023 theme is focused on maximizing the benefits and outcomes of automated testing. The complexity of modern software and telecommunication systems is constantly increasing. [More information>>](#)

Putting Science into Standards (PSIS) workshop – Circular Technologies for construction industry

When: 12 December 2023 (online)

CEN and CENELEC, together with the European Commission's Joint Research Centre (JRC), carry out an annual 'foresight on standardization' initiative named Putting Science into Standards (PSIS). The 2023 PSIS workshop will focus on Circular technologies for construction. [More information>>](#)

About Project

SESEI | Seconded European
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Enabling Europe-India Cooperation on Standards

The SESEI project (Seconded European Standardization Expert in India) is a project cofunded by five European partners, operating from New Delhi, India, with the objective to increase the visibility of European standardization in India and to promote EU/EFTA-India cooperation on standards and related activities. The SESEI Project (<http://sesei.eu/>) is managed by the European Telecommunications Standards Institute (ETSI - <http://www.etsi.org/> - EU recognized Standards Organization for Telecommunication sectors) and is further supported by two other EU recognized Standards Organization, namely the European Committee for Standardization (CEN) and the European Committee for Electrotechnical Standardization (CENELEC) - <http://www.cencenelec.eu> - which develop and adopt European standards in a wide range of products, services and processes, as well as by the European Commission (www.ec.europa.eu) and the European Free Trade Association (<http://www.efta.int/>). It is a Standardization focused project, with a priority emphasis on the sectors falling under Digitization and Clean & Green Technologies etc.

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