SESEI Newsletter

SECONDED EUROPEAN STANDARDIZATION EXPERT IN INDIA

INDIA

Greeting from SESEI!

Dear Reader's

At the outset let me take this opportunity to wish everyone a very happy and safe 2024 !

This is the December 2023 edition of SESEI Newsletter India. I am very happy to inform you that the 4th Edition of the Indo-European Conference on Standards & Emerging Technologies organised in the framework of Project SESEI - http://sesei.eu/ on December 7, 2023, in New Delhi, was a resounding success. The Conference served as a pivotal platform for experts, policymakers, standards makers, and the industry leaders to exchange insights and cultivate collaborations in critical areas such as circular economy (e-waste & Plastic Waste), connectivity in smart cities, cyber security & data privacy.

3GPP has completed its 25 glorious years in Dec'23, which was initially formed to produce specifications for a 3rd Generation Mobile System, it has continued to work on 4G and 5G specifications getting used by billions of consumers globally and it also stands ready to create the 6G future.

Stronger laws and regulations are felt necessary for addressing the risks posed with the use of Artificial Intelligence, recently the world's first comprehensive laws to regulate artificial intelligence have been agreed in a landmark deal between the European Parliament and EU member states. The agreement will regulate artificial intelligence and protect the public from risks that include potential threat to life that many fear by this rapidly growing AI technology.

A full fledge Technical Committee has been constituted at ETSI to directly contribute to standardization requests, which may include, but not limited to, the EU's AI Act, Cybersecurity Resilience Act and NIS2.

The needs to shift towards green transition is felt globally and both India and EU are committed towards faster transition towards Net-Zero. Electricity plays a key role to achieve climate neutrality and the Green Deal objectives. European Standardization bodies CEN-CENELEC are taking strong measure and contributing to make progress in the global effort towards fighting climate change, through standards that are contributing to a greener Single Market. A workshop on 'Road to Net Zero: Standards for the All-Electric Society' was organised by CEN and CENELEC together with DKE to explore the challenges and opportunities of Europe's electrical transition.

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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Enabling Europe–India Cooperation on Standards

SESEI Newsletter

Generic/Standards/IPR

Project SESEI Organized 4th EU-India Conference on Standards and Emerging Technologies on December 7, 2023

The European Standardisation Project, SESEI organised the 4th edition of the 'EU-India Conference on Standards and Emerging Technologies' on 7 December 2023 at Hotel Lalit, New Delhi.

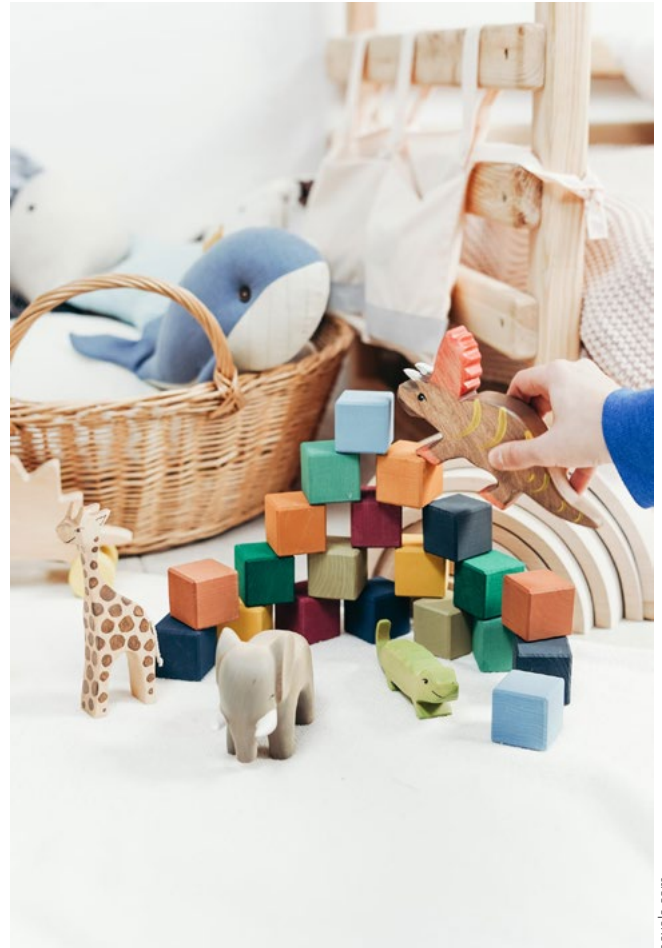The conference explored important topics which are very relevant for both India and Europe.

- Circular economy (e-waste, plastics)

- Connectivity in smart cities (digital, energy & transport)

- Data privacy & cyber security

Subject experts and policy makers from the EU/EFTA and India shared the best practices, gaps and challenges and presented recommendations on how to work together. During the conference, a study report focused on these three topics was presented and released. The study report is covering latest developments, current state of play covering Standards development & Policy Initiatives in EU/EFTA and INDIA, the gaps and technological challenges in India limiting the market potential, adoption of technologies and the areas of further collaboration between EU and India. For more details about conference including recordings, presentations and study report, please visit conference website at https://iecset2023.bharatexhibitions.com/index.html

Safe Toys All Over the Single Market, Thanks to European Standards!

Considering the recent EU proposal for a Regulation on the Safety of Toys, the revision of the Toy Safety Directive, CEN and CENELEC reflect on the role of European Standards to ensure that all toys traded in the Single Market are safe.

CEN/TC 52 - Safety of toys develops standards which support the essential requirements of the Toy Safety Directive. Toy safety encompasses various standards,

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with manufacturers adhering to specific guidelines that vary across different types of toys. Standards like EN 71-2:2020 'Safety of toys - Part 2: Flammability' address horizontal safety concerns, such as ensuring that toys exhibit suitable fire resistance.

Standards can also be specific to the type of toy: this is the case of EN 71-4:2020 'Safety of toys - Part 4: Experimental sets for chemistry and related activities' or EN 71-14:2018 'Safety of toys - Part 14: Trampolines for domestic use'. Furthermore, CLC/TC 61 'Safety of household and similar electrical appliances' deals separately with electrical aspects of toys, developing standards such as EN IEC 62115:2020 'Electric toys – Safety'.

Read more

Digitization

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3GPP Commits to Develop 6G Specifications

As the project celebrates the 25th anniversary of the signing of the 3GPP Project Agreement, the 3GPP Organizational Partners have issued the following joint press release.

With its work on 3G, 4G and 5G specifications used by billions of communications services consumers globally, 3GPP stands ready to create the 6G future.

3GPP Organizational Partners: ARIB, ATIS, CCSA, ETSI, TSDSI, TTA and TTC announced that 3GPP will develop the next generation of global communications specifications. Based on its success over several technology generations — from 3G to 5G — 3GPP is uniquely positioned to develop the standard for 6G.

3GPP is currently at work on Release 18 and will soon begin development of Release 19 of its specifications, which relate to 5G-Advanced. However, delivery of a new mobile generation is a multi-year process. That is why the work for the 6G specifications is being planned well in advance. 5G brought increased interest in 3GPP, with the organization growing to meet the demands of more sectors and new services. Further growth may be

expected as the needs of 6G use cases are considered in the standards development process.

Since its inception, 3GPP has successfully delivered on the promise of cellular communications. The Organizational Partners in the project now stand ready to embark on the planning for the next generation, 6G.

Read more

EU Agrees First Rules for Artificial Intelligence in the World

The Commission welcomes the political agreement reached between the European Parliament and the Council on the Artificial Intelligence Act (AI Act), proposed by the Commission in April 2021. The EU's AI Act is the first-ever comprehensive legal framework on Artificial Intelligence worldwide.

The AI Act would classify AI systems depending on the level of risk they pose to health, safety and fundamental rights. According to this risk-based approach, there are four levels of risk: minimal, high, unacceptable and Specific transparency risk.

The vast majority of AI systems fall into the category of minimal risk. Minimal risk applications such as AI-enabled recommender systems or spam filters will benefit from a free-pass and absence of obligations, as these systems present only minimal or no risk for citizens' rights or safety. AI systems that create unacceptable risk — including social credit scoring systems and certain predictive policing applications — are entirely banned, while high-risk AI systems are subject to extensive requirements and regulation and limited risk AI systems bear fewer significant regulatory burdens.

It will apply strict requirements to all providers, users, manufacturers, and distributors of AI systems used in the EU market and contains several blanket prohibitions on specific AI uses.
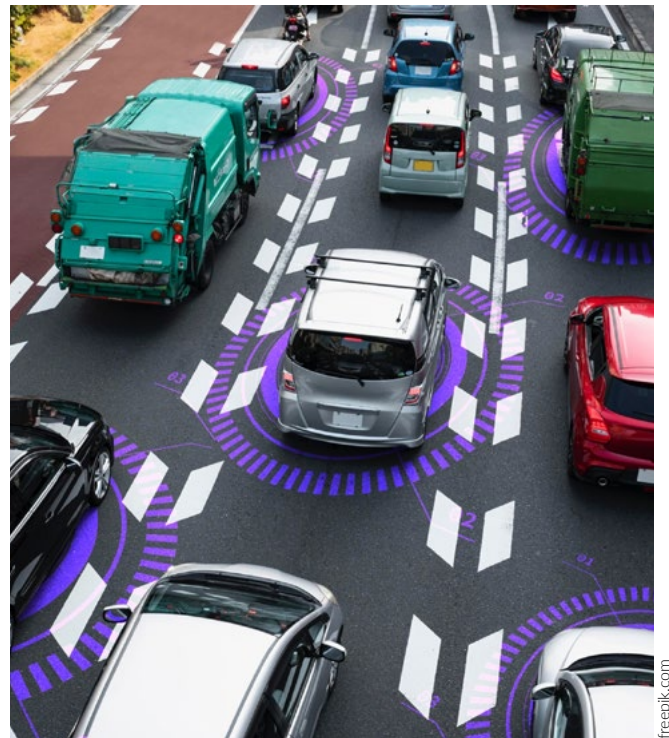
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ETSI's Committee on Securing AI Decides on New Work

In order to 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, it was decided to transfer the SAI Industry Specification Group into a Technical Committee.

On 4 December, the new Technical Committee SAI launched its kick off meeting at ETSI. Members of the group elected Scott Cadzow as the Chair. In inheriting the work programme of the former ISG SAI a set of several work items were adopted by the group, in total 11 work items were adopted including technical reports and technical specifications that will be published in the next few months.

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.

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Transforming Emergency Response: The Rise of Intelligent Transport Systems with e-Call HLAP

In the dynamic realm of Intelligent Transport Systems (ITS), a revolutionary document is shaping the future of emergency response. This ground-breaking initiative focuses on integrating eCall HLAP (high-level application protocols) into hybrid circuit-switched/packet-switched network environments, catering to the 112-eCall service across Europe.

The core objective is clear: to uniformly automate traffic accident notification throughout Europe. Operating under EN 16072:2022, this initiative leverages a Public Land Mobile Network (PLMN), like the ETSI prime medium, supporting the 112/E112 European harmonized emergency number. The system ensures a standardized and reliable emergency communication framework, whether through TS12 ETSI TS 122 003 or the IMS packet-switched network.

What sets this innovation apart is its adaptability to both circuit-switched and packet-switched wireless networks. This flexibility is vital in the current landscape of coexisting communication infrastructures. The integration of eCall HLAP is the technological backbone, navigating seamlessly between networks for swift and effective emergency response.

Read more

Grean and Clean Technologies

How Standards Drive Europe's Transition towards Net-Zero

How can Europe successfully generate and implement carbon-free electricity to support its climate neutrality and Green Deal plans? On 5 December, a stakeholders' workshop organized by CEN (the European Committee for Standardization), CENELEC (the European Committee for Electrotechnical Standardization), and DKE (the German Commission for Electrical, Electronic and Information Technologies) explored how standards can support the achievement of an All-Electric Society and the transition of Europe towards Net-Zero.

Electricity plays a key role to achieve climate neutrality and the Green Deal objectives. Today, with renewable and mainly electrical energy sources providing "green" electricity for mobility, infrastructure, energy storage, industry, and smart buildings, we are facing the largest electrification effort since the introduction of the electrical grid over 130 years ago. However, how can Europe ensure that it has what it takes to generate, store, and use 100% carbon-free electricity? And how can standards pave the way?

To explore the challenges and opportunities of Europe's electrical transition, on 5 December 2023, CEN and CENELEC together with DKE held the stakeholders workshop on 'Road to Net Zero: Standards for the All-Electric Society'.

Read more

Welcoming COP28: How Standards Help Green the European Single Market

The 28th United Nations Climate Change (COP 28) took place from the 30 November to 12 December 2023. To welcome this opportunity to make progress in the global effort towards fighting climate change, CEN and CENELEC look at the standards that are contributing to a greener Single Market.

CEN and CENELEC have taken several actions in support of the green transition.

fightclimatechange.earth

- CEN and CENELEC have recently established a new European Technical Committee CEN/TC 473 'Circular Economy' to design standards that will make the circular economy a reality in the European Single Market.

- CEN and CENELEC Technical Committees working on standards for Hydrogen Technologies include CEN-CLC/JTC 6 'Hydrogen in energy Systems', and CEN/TC 268 'Cryogenic vessels and specific hydrogen technologies applications'. CEN and CENELEC also contributed to the European Commission's Roadmap on hydrogen standardization.

- CEN and CENELEC technical committees such as CLC/TC 13 'Electrical energy measurement and control', CEN/CLC/JTC 14 'Energy management and energy efficiency in the framework of energy transition', and CEN/TC 371 'Energy Performance of Buildings' are examples of some of the CEN and CENELEC bodies meeting the demand for smarter and more efficient energy consumption through standardization.

As the needs of the green transition evolve, so too will the ambition of the European Standardization system. CEN and CENELEC will continue to work towards a greener European Single Market, relying on the passion and knowledge of our many experts who share the vision of using standardization for net-zero, climate friendly Europe.

Read more

A New CEN/TC will Develop Standards for Carbon Capture, Utilization and Storage

CEN/TC 474, a new Technical Committee on CO$_2$ capture, transportation, utilization, storage (CCUS) and carbon accounting, has been established.

CCUS is an important emission reduction technology that can be applied across the energy system. Technologies involve the capture of CO2 from fuel combustion or industrial processes, the transport of this CO2 via ship or pipeline, and either its use as a resource to create valuable products or services or its permanent storage deep underground in geological formations. CCUS also provides the foundation for carbon removal or negative emissions when the CO2 comes from bio-based processes or directly from the atmosphere.

International standardization activities on CCUS are developed in ISO/TC 265. The proposed new CEN/TC aims to build on existing ISO/TC 265 standards, supplementing them with homegrown documents tailored to the needs of European stakeholders. Through establishing liaisons with the relevant CEN and ISO Technical Committees, the standardization activities will be coordinated, and collaboration will be encouraged to avoid duplication of work or conflicting requirements.

Read more

EU/EFTA-India

EFTA-India Trade and Economic Partnership Agreement (TEPA): Two Ministerial Gatherings to Find Common Ground in the Run Up towards Conclusion

On 12 and 13 December 2023, high-level delegations from EFTA (Iceland, Liechtenstein, Norway, and Switzerland) and India met in New Delhi to settle on common priorities and pave the way for the conclusive stages of the Trade and Economic Partnership Agreement negotiations.

Shri Piyush Goyal, Minister of Commerce & Industry, Consumer Affairs & Food & Public Distribution and Textiles of India headed the Indian delegations, while the EFTA delegation was co-led by Helene Budliger Artieda, Swiss State Secretary at the State Secretariat for Economic Affairs (acting as EFTA Spokesperson) and Jan Christian Vestre, Minister of Trade and Industry of Norway.

Read more

Cabinet Approves Industrial Property Rights MoU between India, Italy
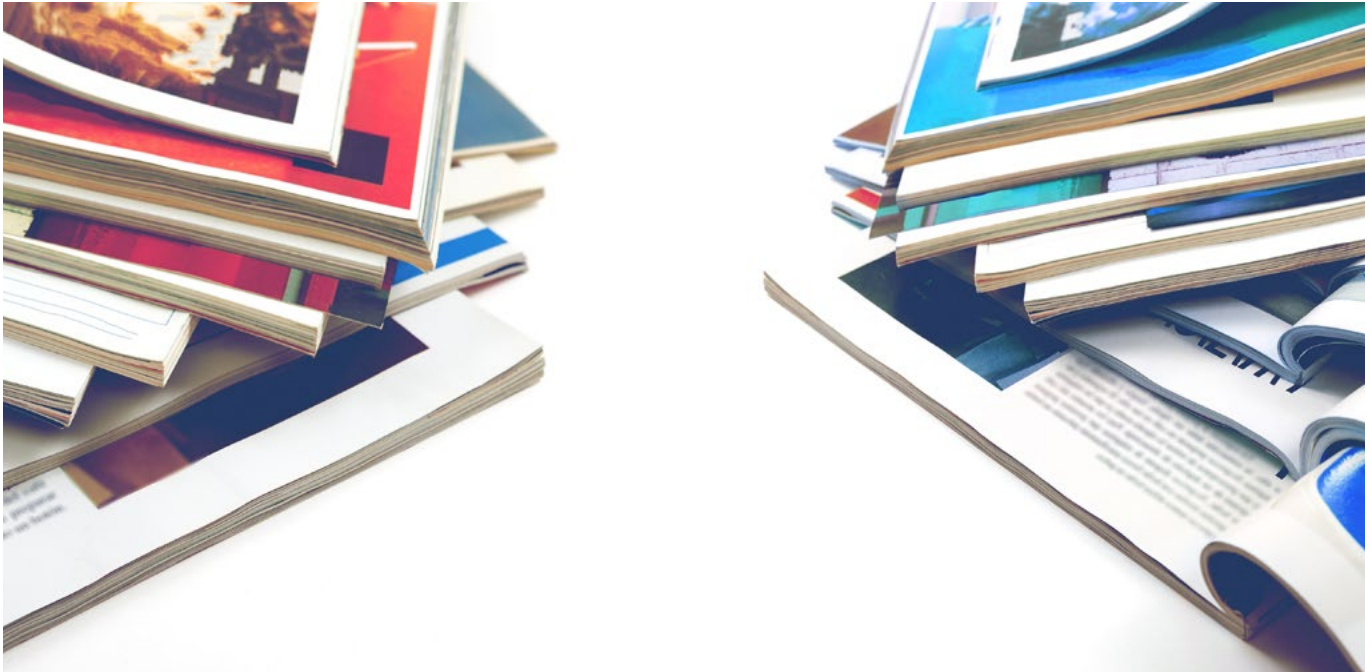
The Union Cabinet chaired by the Prime Minister, Shri Narendra Modi has given its approval for signing of Memorandum of Understanding (MoU) between the Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry of the Republic of India and the Directorate General for the Protection of Industrial Property-Italian Patent and Trademark Office of the Ministry of Enterprises and Made in Italy of the Italian Republic on Cooperation in the field of Industrial Property Rights.

The MoU will promote between the Participants the establishment of a mechanism that allows them to develop cooperation activities in the field of IP and information technology services related to this field.

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Whitepapers/Publications

ETSI White Paper on Technology Radar

The white paper on ETSI Technology Radar (ETR) highlights probable technology trends for ICT that may impact ETSI's quest to remain at the forefront of ICT standardization. The ETR is also intended to promote the awareness and discussion of such technology trends among ETSI members and enable ETSI to create and evolve the tools and methodologies ("being versatile") that can leverage the Institute as the preferred collaboration hub for such developments ("an enabler of standards").

Read more/Download

Global Outreach Report: CEN CENELEC

The CEN and CENELEC Global Outreach Report, released twice a year, provides an overview of technical alignment achieved with non-European partners through the adoption of identical European standards.

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Study Report: SESEI

During the 4th EU-Indo Conference held on December 7, 2023, a study report focused on these three topics was presented and released. The study report is covering latest developments, current state of play covering Standards development & Policy Initiatives in EU/EFTA and INDIA, the gaps and technological challenges in India limiting the market potential, adoption of technologies and the areas of further collaboration between EU and India.

Download Study Report

Study Report Presentation

Events Calendar 2023

Webinar 'The Role of Standardization in Climate Change Adaptation'

When: 26 January 2024

This webinar will present the process in Germany that led to the commitment of the three largest standardization organizations in Germany (DIN, DKE and VDI) to deal with the topic of climate impact adaptation in strong cooperation. Read more

ETSI Artificial Intelligence (AI) Conference: Status, Implementation and Way Forward of AI Standardization

When: 5-7 February 2024

Where: ETSI, Sophia Antipolis, France

The ETSI Artificial Intelligence (AI) Conference will offer attendees the unique opportunity to come together to exchange with experts, network with peers, visit the demos and posters around the subject of Machine Learning with a specific focus on Information and Communications Technology (ICT). Read more

PEMEA Plugtests 2024

When: 12-16 February 2024

Where: Sophia Antipolis, France and remote

ETSI is organizing, with the support of ETSI (TC) EMTEL and the PEMEA Consortium, the first PEMEA (Pan-European Mobile Emergency Application) PLUGTESTS™ event with intends to increase the level of interoperability between PEMEA nodes and services across multiple vendors and supplies and ensure that various types of Apps running on different platforms can use the same PEMEA network. Read more

Webinar 'Gap-analysis of Harmonised Standards for Machinery against the New Machinery Regulation'

When: 23 February 2024

In this webinar, the European Policy Officer for machinery will remind participants of the most important changes which have been made by the Machinery Regulation in the essential requirements. Read more

Cybersecurity Standardization Conference 2024

When: 5 March 2024

Where: Brussels / Online

The European Standardization Organizations CEN, CENELEC and ETSI, are pleased to join forces with ENISA, the EU Agency for Cybersecurity, to organize the 8th Cybersecurity Standardization Conference- Fast-Evolving Landscape of EU Legislation: Challenges and Opportunities for Standardization. Read more

About Project

SESEI | Seconded European · Standardisation Expert in India
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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