



SESEI

SECONDED EUROPEAN
STANDARDIZATION EXPERT
IN INDIA

Newsletter



European
Committee for
Standardization



European Committee
for Electro Technical
Standardization



European
Telecommunications
Standards Institute



European
Commission



European
Free Trade
Association

NOVEMBER
2023

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Greeting from SESEI!



Dear Reader's

We once again welcome you to read our SESEI Newsletter India for the month of November 2023.

As you are aware India and EU are effectively engaged in FTA negotiations and commencement of TTC has further deepened the ongoing cooperation between the two. On the occasion of second India-EU TTC meeting held virtually for deepening cooperation on semiconductors ecosystem, supply chain and innovation. EU and India signed MoU on cooperation on semiconductor ecosystem to facilitate investments, joint ventures and technology partnership including manufacturing facilities.

India and EFTA States also held 20th round of negotiations towards a Trade and Economic Partnership Agreement (TEPA) in Geneva. Discussions were held on trade in goods and services, TBT's, rules of origin, IPR's etc.

European Telecommunications Standards Institute (ETSI) has been playing key role for developing 6G standards. Recently ETSI has launched a new Industry Specification Group for Integrated Sensing and Communications (ISG ISAC) which has been tasked to establish the technical foundations for 'ISAC' technology, and standardization for 6G when it turns up. ETSI has also released TETRA Algorithms to Public Domain, maintaining the highest security for its critical communication standard.

Both EU and India are equally committed towards adoption of Clean & Green technologies ensuring sustainable development. The first Global Gateway Forum focused on green energy and hydrogen, research and education, critical raw materials and transport corridors. A range of agreements and investment commitments in these areas were signed on this occasion with partners from across the globe.

CEN CENELEC has also contributed to the [European Commission proposal for the revision of the Waste Framework Directive](#) and released a **position paper emphasizing the need on** how standards can be used to set requirements for the sorting of textiles waste and to standardize methodologies for the measurement of food waste.

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



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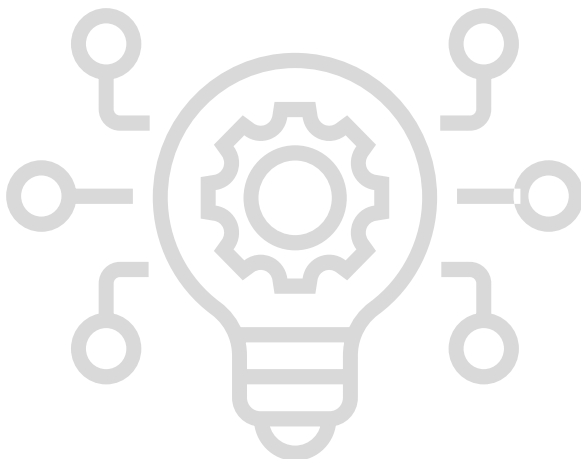
Cooperation is Key to Unlocking the EU Standardisation Strategy's Full Potential

The opportunities and challenges facing the European standardisation system were the focus of EFTA's conference on 8 November, titled "*Raising the Standard: Working together to unlock the EU Standardisation Strategy's full potential*".

The conference was held at EFTA House in Brussels, welcoming 65 in-house participants, with more people joining the live stream following the discussions online. Standardisation has been part of EFTA's work since the early 1980s. Active involvement in European standardisation began in parallel with the European Commission's activities. EFTA signed its first agreements with CEN and CENELEC in 1986 and with ETSI in 1989.

In 2022, the Commission presented its new [Standardisation Strategy](#), outlining the EU's approach to standards within the Single Market and globally. The new strategy aims to strengthen the EU's global competitiveness, enabling a resilient, green and digital economy.

The participants received a thorough introduction to the European standardisation system through keynotes, panel discussions and Q&A sessions delivered by industry experts, policymakers and executive leaders in the standardisation field. The discussions revolved around the effects of the EU Standardisation Strategy from an industry point of view and at the European and national levels. For more information including presentations and recording, please [click here](#)



Digitization

ETSI Launches a New Group for Integrated Sensing and Communications, a Candidate Technology for 6G

ETSI has announced the launch of the Industry Specification Group for Integrated Sensing and Communications (ISG ISAC). This group will establish the technical foundations for ISAC technology development and standardization in 6G.

The ETSI ISAC ISG's mission is to enable ETSI members to coordinate their 6G pre-standard research efforts on ISAC, particularly across various European/National-funded collaborative projects, extended through relevant global initiatives, paving the way for the 6G standardization of the technology. The ISG targets systematic outputs on ISAC into international standards organizations, namely future 3GPP 6G releases (e.g., R20+) and ITU-R IMT-2030 deliverables, related to ISAC requirements and evaluation methodologies.

[Read more](#)

ETSI Releases TETRA Algorithms to Public Domain, Maintaining the Highest Security for its Critical Communication Standard

ETSI has announced that at a meeting in October of its technical committee in charge of the TETRA standard (TCCE), a full consensus was reached to make the primitives of all TETRA Air Interface cryptographic algorithms available to the public domain.

Making algorithms public was discussed after a group of security researchers publicised in August 2023 some potential vulnerabilities that were found with the original TETRA Air interface security design (including algorithms). Keeping cryptographic algorithms secret was common practice in the early 1990s when the original TETRA algorithms were designed. Public domain algorithms are now widely used to protect government and critical infrastructure networks, for example AES (the Advanced Encryption Standard, standardized by the US government). Effective scrutiny of public-



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domain algorithms allows for any flaws to be uncovered and mitigated before widespread deployment occurs.

TETRA has an original set of Air Interface cryptographic algorithms, TEA 1, 2, 3 and 4, some of which were disclosed by the researchers. In 2022 ETSI introduced additional algorithms, TEA 5, 6 and 7, in order to future-proof the technology against quantum attacks. The entire set of these original and additional algorithms will be made available in the public domain as well as TAA1 (the original authentication and key management specification) and TAA2 (the new authentication and key management specification). This work will be carried out with the support of TCCA, the global representative organization responsible for the enhancement of the TETRA standard.

[Read more](#)

Commission Opens Access to EU Supercomputers to Speed Up Artificial Intelligence Development

The Commission and the European High-Performance Computing Joint Undertaking (EuroHPC JU) committed to open and widen access to the EU's world-class supercomputing resources for European artificial intelligence (AI) start-ups, SMEs and the broader AI

community as part of the EU AI Start-Up Initiative. To support the further development and scalability of AI models, access to world-class supercomputers that accelerate AI training and testing is crucial, reducing training time from months or years to a matter of weeks.

The statement was made in the context of the fourth AI Alliance Assembly in Madrid and follows an announcement by President von der Leyen in her 2023 State of the Union address. European AI and high-performance computing (HPC) actors will closely cooperate to drive breakthrough innovation and enhance the competitiveness of the European AI industrial ecosystem. This will accelerate the development of AI and position the European Union as a global competitive leader.

President Ursula von der Leyen said: "Europe is a leader in supercomputing, thanks to the investments we made in recent years. We have three state-of-the-art supercomputers in the EU. And we need to put this power to use. The access to Europe's supercomputing infrastructure that we are announcing today will help start-ups lead the development and scale-up of artificial intelligence in a responsible manner, and in line with European values."

[Read more](#)

ETSI Announces New Software Development Group for Common API Framework

ETSI has announced the establishment of a new Software Development Group, called OpenCAPIF. OpenCAPIF is developing an open-source Common API Framework, as defined by 3GPP, allowing for secure and consistent exposure and use of APIs.

Beyond 3GPP APIs, OpenCAPIF can be leveraged for third-party APIs and will support other standardization activities by enabling PoCs, Plugtests, and API testing, in order to contribute feedback to standardization work. For instance, OpenCAPIF can support NFV deployments by enabling consistent API exposure by Network Functions, and it can also contribute to network automation scenarios in ZSM. Plus, at the edge, it can be used not only to expose MEC APIs but also to validate the mapping between ETSI MEC APIs and those defined for the Edge Computing Enabling Layer specified by 3GPP.

SDG OpenCAPIF will collaborate with other ETSI software and open-source projects, such as Open Source MANO, TeraFlowSDN and OpenSlice, in order to share best practices and find synergies, joint activities, and opportunities for component reuse.

The code developed by SDG OpenCAPIF will support specifications from 3GPP SA6 and SA3 Release 17, and it will seek to align and provide feedback for future releases. The newly-created ETSI group will enable developers to test their network applications using CAPIF to publish and consume APIs, reducing the friction and accelerating time-to-market for the deployment of these applications in 5G Networks. ETSI OpenCAPIF builds on code seeds developed by European Research.

[Read more](#)

Green and Clean Technologies

Global Gateway Forum Brings Together EU and World Leaders to Boost Sustainable Investments in Infrastructure

The first Global Gateway Forum took place in Brussels on 25 and 26 October. It brought together over 40 high-level government representatives from the EU and all over the world, financial institutions and business representatives to discuss the world's investment needs, debate solutions, and launch new partnerships.

The discussions focused on green energy and hydrogen, research and education, critical raw materials and transport corridors. A range of agreements and investment commitments in these areas were signed on this occasion with partners from across the globe.

On the eve of the Forum, the Global Gateway Civil Society and Local Authorities Dialogue Platform met for the first time. This Platform will give civil society and local authorities a space to engage on Global Gateway and the roll-out of projects in different areas.

[Read more](#)

Read CEN and CENELEC's Opinion on the Revision of the Waste Framework Directive

On 5 July 2023, the European Commission published their [proposal for the revision of the Waste Framework Directive](#), whose primary aim is to update its approach to food and textile waste. In a policy paper written in response to the proposal, CEN and CENELEC welcome the increased focus on these two types of waste and put forward suggestions on how to implement the revision.

European Standards can play a vital role in ensuring the success of the proposal: they provide the technical guidance needed to implement the practical changes to transform its ambitions into a reality.

Therefore, CEN and CENELEC suggest that the European Commission consider the use of standards to define criteria in textile and food waste management. In particular, the position paper elaborates on how standards can be used to set requirements for the sorting of textiles waste and to standardize methodologies for the measurement of food waste.

[Read more](#)



EU/EFTA-India

India and EU Sign MoU on Semiconductor Cooperation

India and the European Union signed a Memorandum of Understanding (MoU) on cooperation on the semiconductor ecosystem which will facilitate investments, joint ventures and technology partnership including manufacturing facilities.

The MoU was signed at the second India-EU Trade and Technology Council (TTC) meeting held virtually for deepening cooperation on semiconductors ecosystem, supply chain and innovation. The TTC meeting also reviewed the progress achieved by the working groups of the council particularly in the areas of high-performance computing, digital public infrastructure, EV batteries and its recycling, waste to energy, resilient supply chains and FDI screening.

[Read more](#)

EFTA and India Advance Talks in 20th Round of Trade and Economic Partnership Agreement Negotiations

Representatives from the EFTA States (Iceland, Liechtenstein, Norway, and Switzerland) and India convened in Geneva and by videoconference from 20 to 30 November 2023 for the 20th round of negotiations towards a Trade and Economic Partnership Agreement (TEPA).

The sessions focused on trade in goods, trade in services, rules of origin, trade facilitation, technical barriers to trade (TBT), sanitary and phytosanitary measures (SPS), intellectual property rights (IPR), trade and sustainable development, as well as trade remedies.

[Read more](#)



Whitepapers/ Publications



ETSI White Paper “All-optical Network Facilitates the Carbon Shift”

This whitepaper provides an overview of an all-optical network and the recent development of optical technologies. It also explains how innovations can help operators to support the sustainable development.

[Read more/Download](#)





Events Calendar 2023

Webinar 'Harmonized Standards Under Ecodesign and Energy Labelling Regulations'

When: 15 December 2023

This webinar will provide participants with practical information regarding the preparation of CEN and CENELEC harmonized standards to be cited in the Official Journal of the European Union (OJEU) under Ecodesign and Energy Labelling regulations. [More Information](#)

Webinar 'Innovative Process for Homegrown Harmonised Standards (hENs)'

When: 18 December 2023

The objective of this new process is to improve the timely delivery of compliant harmonised Standards (hENs) by shifting the focus and the efforts for compliance at the beginning of the development process and introducing the new CCMC Quality Check (QC). The innovative process applies only to hENs which are submitted to the EC consultants' assessment. [More Information](#)

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). [More Information](#)

About Project

SESEI | Seconded European
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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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