EUROPE

SESEI Newsletter

SECONDED EUROPEAN STANDARDIZATION EXPERT IN INDIA

AUGUST 2023
ISSUE 06

European Committee for Standardization | European Committee for Electro Technical Standardization | European Telecommunications Standards Institute | European Commission | European Free Trade Association

IN THIS ISSUE

Generic/Standards

- BIS signs MoU with 35 Institutions
- DPIIT notifies Quality Control Orders
- Govt. to come up with 60 Quality Control Orders this Year
- Ministry of Textiles organizes '6th National Conclave
- TBT Notifications submitted by India to WTO

Digitization including Services

- Recent Indian Government Policy Announcements
- Digital Personal Data Protection Bill
- C-DoT to be the Nodal Agency for Telecom IPRs
- C-DoT signs Consortium Agreement
- India Ranks 2nd in Mobile Production
- Draft National Deep Tech Startup Policy (NDTSP)
- Union Cabinet Approves Expansion of the Digital India Programme
- TRAI Consultations Papers
- Telecommunication Engineering Centre (TEC)

Green and Clean Technologies

- Recent Indian Government Policy Announcements
- India Announces Definition of Green Hydrogen
- India Gets the Wheels Moving on a Special Plan for High-End EVs
- ACC Battery Market Demand in India to rise to 220 GWh by 2030

EU/EFTA-India

Overview of SESEI Activities

Upcoming Events

Annexure 1

About Project

Greeting from SESEI!

Dear Reader's

I am happy to extend a very warm welcome to all of you to the 6th edition of SESEI Newsletter -Europe, for the month of August 2023. The FTA negotiations between EU/EFTA and India are progressing well, the discussions are deep and comprehensive covering a broad range of areas. India will be hosting the G20 summit in September 2023, during which the bilateral trade topics are also expected to be discussed on the sidelines.

Somewhat in line with European Commission's new Code of Practice on standardization for researchers, targeting universities and public research organizations, on how to valorize project results through standardization, Bureau of Indian Standards (BIS) has signed MoU with 35 premier educational institutes across the country, which is done to strengthen the participation in standardization activities by getting associating with the technical committees of the Bureau at the national and international level, and getting infrastructure support for relevant R&D Projects, jointly organizing events on Standardization and Conformity Assessment, etc.

The long awaited Digital Personal Data Protection (DPDP) Bill, 2023, has been passed as the Act in Parliament. The DPDP Act, 2023 applies to the processing of digital personal data within the territory of India collected online or collected offline and later digitized. It is also applicable to processing digital personal data outside the territory of India if it involves providing goods or services to the data principals within the territory of India. Salient features of the DPDP Act are provided in the newsletter.

India has also achieved the status of being the world's second-largest mobile phone producer, with more than 2 billion devices manufactured locally. Various schemes such as Performance Linked Incentive (PLI) initiated by the govt. in recent years have helped to increase Electronics Manufacturing domestically.

India has also issued a standard to define "Green Hydrogen". This standard outlines the emission thresholds that must be met for hydrogen produced to be classified as 'Green', i.e., from renewable sources. The scope of the definition encompasses both electrolysis-based and biomass-based hydrogen production methods.

Apart from the latest updates and news on standards and policy initiatives, we urge you to read the newsletter which also carries information on new the Quality Control orders as issued by Govt of India, many Govt. Notifications and Consultation papers including list of events and seminars.

Newsletter also includes a short snippet of important SESEI activities as carried out during the month of August 2023.

Happy Reading!!!

Warm regards,

Dinesh Chand Sharma

Director Standards & Public Policy

SESEI | Seconded European Standardisation Expert in India

Enabling Europe-India Cooperation on Standards

Generic/Standards/Market Access (TBT)

pxhere.com

BIS signs MoU with 35 Institutions for Fostering Collaboration in Standardization and Conformity Assessment

Bureau of Indian Standards, the National Standards Body of India signed Memorandum of Understandings (MoUs) with 35 prestigious institutions across the country for fostering collaboration in standardization and conformity assessment. The institutions included some prominent NITs, Government and Private Engineering colleges from different states across the country.

The MoU will pave the way for the partner institutions to participate in standardization activities by associating with the technical committees of the Bureau at the national and international level, getting infrastructure support for relevant R&D Projects, jointly organizing events on Standardization and Conformity Assessment, exchanging publications, introducing standardization curricula in academics, exploring a Centre of Excellence for Standardization, testing, and Conformity Assessment, and sharing laboratory facilities.

During the event, Shri Pramod Kumar Tiwari, Director General of BIS, emphasized that the MoUs with these esteemed academic institutions will bolster and enrich the standards formulation activities. Providing detailed insights into the program's framework and future trajectory, Shri Chandan Bahl, Deputy Director General of BIS, eloquently explained how this partnership would unfold.

Press Information Bureau

DPIIT notifies Quality Control Orders for 'Smart Meters' and 'Welding Rods and Electrodes'

Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce & Industry has notified 2 new Quality Control Orders (QCOs) for 'Smart Meters' and 'Welding Rods and Electrodes', on 14th July 2023. The QCOs will come into force six months from the date of notification.

The Smart Meters (Quality Control) Order, 2023 QCO mandates compulsory certification under IS Standards for "A.C. Static Direct Connected Watt Hour Smart Meter Class 1 and 2" and "A.C. Static Transformer

elevate.in

Operated Watthour and Var-Hour Smart Meters, Class 0.2s, 0.5s and 1.0s" for the products manufactured for domestic market or imported into India.

Smart Meter is an electronic device that records information such as consumption of electric energy, voltage levels, current and power factor. Smart meters communicate the information to the consumer for greater clarity of consumption behaviour and electricity suppliers for system monitoring and customer billing.

The Welding Rods and Electrodes (Quality Control) Order, 2023 mandates compulsory certification under IS Standards for "Covered electrodes for manual metal arc welding of carbon and carbon manganese steel", and "Welding rods and bare electrodes for gas shielded arc welding of structural steel", for the products manufactured for domestic market or imported into India.

Welding Rods are used in shielded metal arc welding (SMAW), also known as stick welding. The rod has two purposes, i.e., to provide filler metal to the workpiece and to conduct electric current to the arc. Further, welding electrodes are metal wires baked on chemical coatings. The coating protects the metal from damage, stabilizes the arc, and improves the weld.

DPIIT in continuous consultation with Bureau of Indian Standards (BIS) and stakeholders has been identifying key products for requiring implementation of QCO. This has led to the initiation of development of 64 new QCOs covering 317 product standards.

DPIIT is focusing on establishing a quality control regime for its key products such as insulated flasks, potable water-bottles, flame-lighters, smart meters, wielding rods & electrodes etc.

Quality control ecosystem in India is based on the standards developed by BIS, the National Standards Body of India. BIS is engaged in the activities of Standardization, Conformity Assessment and Quality Assurance of goods, articles, processes, systems and services. The Indian Standards established are voluntary in nature which can be made compulsory by the Central Government through issuance of a Quality Control Order (QCO).

QCO is a mandatory certification scheme, whereby compliance to specified list of Indian Standards applicable to the concerned product is made compulsory by the Central Government under various considerations including public interest, protection of human, animal or plant health, safety of environment, prevention of unfair trade practices and national security.

iStock

Prior to the notification of the QCOs, extensive stakeholder consultations with key industry associations and industry members were conducted for their inputs. The draft QCOs were then approved by the Hon'ble Commerce & Industry Minister followed by legal vetting by the Department of Legislative Affairs. Subsequently, the QCOs were uploaded on the World Trade Organization (WTO) website for 60 days, inviting comments from WTO member countries.

In order to safeguard the domestic small/micro industries, ensure smooth implementation of the QCO and Ease of Doing Business, relaxations have been granted to small/micro industries in terms of timelines.

With the implementation of the QCOs, manufacturing, storing and sale of non-BIS certified products will be prohibited as per the BIS Act, 2016. The violation of the provision of the BIS Act can attract a penalty of imprisonment upto two years or with fine of at least Rs 2 lakh (approx. 2.22K Euro) for the first offence. In case of second and subsequent offences, the fine will increase to Rs 5 lakh (approx. 5.55K Euro) minimum and extend up to ten times the value of goods or articles.

The implementation of the QCOs for these products is crucial not only for safety of the consumers, but it will also only improve the manufacturing quality standards in the country and curb the imports of sub-standard products into India. These initiatives, coupled with development quality testing labs, product manuals etc. will aid in the development of a quality ecosystem in India.

Press Information Bureau

Govt. to come up with 60 Quality Control Orders this Year to Stop Imports of Sub-Standard Goods

The government will come up with 60 quality control orders (QCOs) this year for products such as consumer goods, rubber, paper and light engineering items with an aim to contain imports of sub-standard goods and boost domestic manufacturing.

Secretary in Department for Promotion of Industry and Internal Trade (DPIIT) Rajesh Kumar Singh said they are issuing these orders "fairly extensively" and so far, 33 QCOs for over 127 products such as ACs, refrigerators, pipes, and safety valves have been issued.

"Right now, we are processing 60 new QCOs in association with BIS. These are crucial not only for the safety of consumers but also to improve quality standards,". Speaking at the media briefing, Joint Secretary in DPIIT Sanjiv said these orders are issued for goods like smart meters, nuts, bolts and fasteners.

Violation of the law can attract a penalty of up to two years of imprisonment or with fine of at least INR 2 lakh (approx. 2.22K Euro) for the first offence which increases to INR 5 lakh (approx. 5.55K Euro) minimum for the second and subsequent offences. These orders are issued by the department in consonance with the WTO (World Trade Organisation) Agreement on Technical Barriers to Trade (TBT) for industries falling under its domain.

The Hindu

Ministry of Textiles organizes '6th National Conclave on Standards & Regulations for Technical Textiles'

Ministry of Textiles, under its flagship scheme National Technical Textiles Mission (NTTM), organized the 6th National Conclave on Standards & Regulations in association with FICCI and BIS, emphasizing on importance of Standards, Quality regulations & Rationalization of HSN codes for Technical Textiles in India.

The event encompassed 5 technical sessions focusing on Standards and Regulations under specialized areas of Technical Textiles like Protective textiles, Geotextiles, Build tech, Oekotech, Medical textiles and in other emerging areas of Technical Textiles. There was a Special Session also discussing rationalization of HSN codes & standards and implementation of QCOs.

Bureau of Indian Standards (BIS) released 4 new standards during the conclave - (i) IS 18266 : 2023, Textiles — Medical Respirator — Specification, (ii) IS 18309 : 2023 Geosynthetics — Prefabricated Vertical Drains for Quick Consolidation of Very Soft Plastic Soil — Specification, (iii) IS 18158 : 2023 Textile — Floor Covering - Artificial Grass Carpet made of Synthetic Yarn for Landscape — Specification and (iv) IS 18161 : 2023, Textiles — Light Weight Jute Sacking Bags for Packing 50 kg Mustard Seed, Niger Seed and Ragi — Specification.

Shri. Rajeev Saxena, Joint Secretary, Ministry of Textiles, Government of India, emphasized on the importance of effective implementation of QCOs and introduction of new standards for technical textiles, especially in consonance with global standards, while setting the context for the conclave. Further, 32 new technical textiles' HSN codes has been notified in April 2023, beyond the list of already notified 207 HSN Codes, he further added. He also highlighted

wto.org

that a Technical Committee for Rationalization of HSN Codes for Technical Textiles has already been formed.

Regarding releasing of new QCOs, he mentioned that 2 QCOs for 31 technical textile items under Geotextiles and Protective textiles were notified and will come in-effect from 7th October 2023. In addition, Ministry has also undertaken the task to notify QCOs for 56 technical textile items including 22 Agro textiles, 6 Medical textiles, among others, he further added.

Press Information Bureau

India has submitted following "Technical Barriers to Trade (TBT) Notifications" to the World Trade Organization (WTO)

- G/TBT/N/IND/290: Sports Goods (Quality Control) Order, 2023
- G/TBT/N/IND/289: Electrical Accessories (Quality Control) Order, 2023

Digitization including Services

Recent Indian Government Policy Announcements

- National Quantum Mission approved by Indian Government
- Indian Space Policy 2023
- Digital Personal Data Protection Bill, 2023
- National Data Governance Framework Policy 2022 (draft)
- India Data Accessibility and Use Policy 2022

Salient Features of the Digital Personal Data Protection Bill, 2023

The Bill provides for the processing of digital personal data in a manner that recognizes both the rights of the individuals to protect their personal data and the need to process such personal data for lawful purposes and for matters connected therewith or incidental thereto. The Bill protects digital personal data (that is, the data by which a person may be identified) by providing for the following:

- The obligations of Data Fiduciaries (that is, persons, companies and government entities who process data) for data processing (that is, collection, storage or any other operation on personal data);
- The rights and duties of Data Principals (that is, the person to whom the data relates);and
- Financial penalties for breach of rights, duties and obligations.

The Bill also seeks to achieve the following: Introduce data protection law with minimum disruption while ensuring necessary change in the way Data Fiduciaries process data. Enhance the Ease of Living and the Ease of Doing Business; and Enable India's digital economy and its innovation ecosystem.

The Bill is based on the following seven principles:

- The principle of consented, lawful and transparent use of personal data;
- The principle of purpose limitation (use of personal data only for the purpose specified at the time of obtaining consent of the Data Principal);

- The principle of data minimisation (collection of only as much personal data as is necessary to serve the specified purpose);
- The principle of data accuracy (ensuring data is correct and updated);
- The principle of storage limitation (storing data only till it is needed for the specified purpose);
- The principle of reasonable security safeguards; and
- The principle of accountability (through adjudication of data breaches and breaches of the provisions of the Bill and imposition of penalties for the breaches).

The Bill has few other innovative features: The Bill is concise and SARAL, that is, Simple, Accessible, Rational & Actionable Law as it uses plain language, Contains illustrations that make the meaning clear, contains no provisos ("Provided that…"); and has minimal cross-referencing.

The Bill provides for following obligations on the data fiduciary:

- To have security safeguards to prevent personal data breach;
- To intimate personal data breaches to the affected Data Principal and the Data Protection Board;
- To erase personal data when it is no longer needed for the specified purpose;
- To erase personal data upon withdrawal of consent;
- To have in place grievance redressal system and an officer to respond to queries from Data Principals; and
- To fulfill certain additional obligations in respect of Data Fiduciaries notified as Significant Data Fiduciaries, such as appointing a data auditor and conducting periodic Data Protection Impact Assessment to ensure higher degree of data protection.

The Bill safeguards the personal data of children also.

- The Bill allows a Data Fiduciary to process the personal data of children only with parental consent.

freepik.com

- The Bill does not permit processing which is detrimental to well-being of children or involves their tracking, behavioural monitoring or targeted advertising.

Continue Reading: Press Information Bureau

Download the Digital Personal Data Act

C-DoT to be the Nodal Agency for Telecom IPRs

The government has decided to make the Centre for Development of Telematics (C-DoT) the nodal facilitation agency to the front end. The RD wing of the Department of Telecommunications, C-DoT will now play the role of the facilitator only for standard essential patent (SEP) negotiations. It shall also not bid any financial liability or obligations towards any parties.

The government has directed the C-DoT to provide handholding and all the necessary support to start-ups, MSMEs and R&D entities for converting innovations into IPRs and translating research into commercially deployable products.

Furthermore, it also instructed the C-DoT to undertake IPRs/SEPs management on behalf of the Indian R&D

freepik.com

ecosystem as an R&D collective to negotiate and engage with domestic and global IPR licensors.

The DoT's wing will participate in engagements related to IPRs/SEPs on behalf of Indian technology entities. It would also responsibly look into the development, hosting and maintenance of Indian telecom IPRs/ SEPs repository in coordination with TEC, global and regional standard development organisations, academia and industry.

Additionally, for enabling effective implementation of the above activities, inter alia, the C-DoT is in talks to engage professional IPR-technical and legal counsels and constitute. This would strengthen its IPR resources, a government notification underlined.

Department of Telecommunications

C-DoT signs Consortium Agreement with Industry Partners for 'Collaborative Development of Disaggregated 5G Radio Access Network Solution'

Centre for Development of Telematics (C-DOT), the premier Telecom R&D Centre of the Department of Telecommunications (DoT), signed a consortium agreement with industry partners: Lekha Wireless Solutions Private Limited, Signaltron Systems Private Limited, Sooktha Consulting Private Limited and Resonous Technologies Private Limited for 'Collaborative Development of Disaggregated 5G Radio Access Network Solution'. The consortium partners are companies engaged in development of Radio communication products, specialising in providing radio access network solutions for 5G, LTE, etc.

This agreement is the second such initiative under of the 'C-DOT Collaborative Research Program 2022 (CCRP-2022)', which was launched to realise the objective of promoting innovation and development of cost-effective indigenous telecom products and solution. The first such agreement was signed with VVDN Technologies Private Limited and WiSig Networks Private Limited to develop 5G Open RAN.

This engagement amongst the Parties is to collaborate for the development of an O-RAN compliant disaggregated 5G RAN solution capable of operation in the FR1 and FR2 bands for public & private 5G networks. C-DOT will act as a business incubator and facilitator by providing funding and necessary infrastructure for testing, interoperability, field trial, Proof of Concept (POC); hence ensuring availability of alternative 5G RAN domestic products.

Speaking at the Agreement signing ceremony, Dr Rajkumar Upadhyay, CEO, C-DOT highlighted the

pexels.com

tremendous potential of Indian R&D and emphasised the importance of collaborative approach to leverage the technical strengths across industry. He further added that this partnership will act as a catalyst towards India's self-reliance in 5G space by creating more telecom players in Startup-MSME ecosystem, contributing to Hon'ble Prime Minister's vision of "Atmanirbhar Bharat". This development of indigenously designed, commercially viable and industry-grade deployable 5G RAN End to End solution will infuse healthy competition in the market, augment Indian intellectual property and also enable our country to become a leading global supplier of affordable 5G solutions.

Press Information Bureau

India Ranks Second in Mobile Production with 'Make in India' driving 2 Billion Devices

The 'Make in India' initiative of the Central government has propelled the cumulative shipments of domestically manufactured mobile phones past the 2-billion mark during the period of 2014-2022. According to a report by global research firm Counterpoint, India registered a compound annual growth rate (CAGR) of 23 percent in mobile phone shipments.

The surge in demand within the country, increasing digital literacy and strategic governmental support have been driving this growth, the report added. With these developments, India has now ascended to the position of the world's second-largest mobile phone producer.

In order to boost local manufacturing, the government has launched several initiatives including the Phased Manufacturing Program (PMP), Make in India, Production Linked Incentive (PLI), and the Atma-Nirbhar Bharat (Self-Reliant India). These schemes in recent years have helped to increase mobile phone manufacturing domestically.

CNBC

Draft National Deep Tech Startup Policy (NDTSP): Released for Public Consultation

National Deep Tech Startup Policy (NDTSP) Consortium announces the draft policy for public consultation seeking public feedback till September 15, 2023. The Prime Minister's Science, Technology, and Innovation Advisory Council (PM-STIAC), in its 21st meeting held on July 7, 2022, recommended the creation of a National Consortium and a Working Group to propose a comprehensive policy framework to address the needs and strengthen the Indian deep tech startup ecosystem.

Chaired by the Principal Scientific Adviser to the Government of India, Prof. Ajay Kumar Sood, the apex-level National Consortium represents a broad spectrum of stakeholders. The members of the Consortium include high-level representatives from the Department for Promotion of Industry and Internal Trade (DPIIT), Atal Innovation Mission (AIM), NITI Aayog, Ministry of Electronics and Information Technology (MeitY), Department of Biotechnology (DBT), Indian Space Research Organisation (ISRO), National Security Council Secretariat (NSCS), Defence Research and Development Organisation (DRDO), National Association of Software and Service Companies (NASSCOM), Confederation of Indian Industry (CII), and Federation of Indian Chambers of Commerce & Industry (FICCI).

The Office of Principal Scientific Adviser to the Government of India is entrusted with the formulation of this policy collectively with key stakeholders. The Office also plays a catalytic role in building synergy among the stakeholder groups in terms of policy

pexels.com

priorities for the deep tech ecosystem. Under the overall guidance of the National Consortium, steered by the Expert Working Group, a draft version of the National Deep Tech Startup Policy (NDTSP) has been developed through an extensive multi-stakeholder consultative process involving startups, incubation centres, industry associations, academic institutions, and relevant government agencies.

The consultation and drafting process involved (a) multiple priority setting meetings at the National Consortium and Working Group level, (b) consultative workshops with deep tech startups in Bengaluru, Hyderabad, Mumbai and New Delhi anchored at academic innovation and incubation centres, (c) multi-stakeholder roundtables and debates, (d) focused group discussions with subject matter experts and technology policy researchers and (e) interviews with individual thought leaders in this space. These consultations played a pivotal role in shaping the policy's framework and ensuring its relevance to the needs and aspirations of the deep tech ecosystem. The draft policy is shaped as a result of inputs received from 200+ stakeholders within and outside the deep tech startup ecosystem.

This policy complements and adds value to the existing *Startup India* policies, programmes and initiatives, by fostering a conducive ecosystem for deep tech startups to thrive and address their unique and complex challenges. The draft NDTSP captures various new policy instruments and suggests necessary policy changes under the following themes:

- Nurturing Research, Development & Innovation
- Strengthening the Intellectual Property Regime
- Facilitating Access to Funding
- Enabling Shared Inf/rastructure and Resource Sharing
- Creating Conducive Regulations, Standards, and Certifications
- Attracting Human Resources & Initiating Capacity Building
- Promoting Procurement & Adoption
- Ensuring Policy & Program Interlinkages
- Sustaining Deep Tech Startups

The National Consortium met on July 24, 2023, deliberated the draft policy document, and suggested releasing it for public consultation after incorporating review inputs and further recommendations. Accordingly, the revised policy draft is released for public consultation as on July 31, 2023, and will be open for public feedback until September 15, 2023. The document can be accessed here: www.psa.gov.in/deep-tech-policy

Press Information Bureau

Union Cabinet Approves Expansion of the Digital India Programme with an outlay of INR 14,903 Crore (approx. €1.65 Billion)

Digital India programme was launched on 1st July, 2015 to enable digital delivery of services to citizens. It has proved to be a very successful program. The Union Cabinet, chaired by Hon'ble Prime Minister Shri Narendra Modi, approved the expansion of the Digital India programme. The total outlay is INR 14,903 crores (approx. €1.65 billion). This would enable the following:

- 6.25 lakh (625K) IT professionals will be re-skilled and up-skilled under the FutureSkills Prime Programme;
- 2.65 lakh (265K) persons will be trained in information security under the Information Security & Education Awareness Phase (ISEA) Programme;
- 540 additional services will be available under the Unified Mobile Application for New-age Governance (UMANG) app/ platform. At present over 1,700 services are already available on UMANG;
- 9 more supercomputers will be added under National Super Computer Mission. This is in addition to 18 supercomputers already deployed;
- Bhashini, the AI-enabled multi-language translation tool (currently available in 10 languages) will be rolled out in all 22 schedule 8 languages;
- Modernisation of the National Knowledge Network (NKN) which connects 1,787 educational institutions;
- Digital document verification facility under DigiLocker will now be available to MSMEs and other organisations;
- 1,200 startups will be supported in Tier 2/3 cities;
- Centres of Excellence in Artificial Intelligence on health, agriculture and sustainable cities will be set up;
- Cyber-awareness courses for 12 crores (120 million) college students;

New initiatives in the area of cyber security including development of tools and integration of more than

pexels.com

200 sites with National Cyber Coordination Centre announcement will give a boost to the digital economy of India, drive digital access to services and support India's IT and electronics ecosystem.

Press Information Bureau

Telecom Regulatory Authority of India Consultations Papers/ Directives

- Consultation Paper on Review of Quality-of-Service Standards for Access Services (Wireless and Wireline) and Broadband Services (Wireless and Wireline). Read more/Download
- Consultation Paper on Review of Regulatory Framework for Broadcasting and Cable services. Read more/Download
- Recommendations on Introduction of Digital Connectivity Infrastructure Provider (DCIP) Authorization under Unified License (UL). Read more/Download

Telecommunication Engineering Centre (TEC)

- TEC 85240:2023: Metal Free Optical Fibre Cable with Double HDPE Sheath for underground duct application (Type-I & Type-II)
- TEC 85250:2023: Metal Free Ribbon Optical Fibre Cable with Double HDPE Sheath for underground duct application

Green and Clean Technologies

constructionweekonline.in

Recent Indian Government Policy Announcements

- National Green Hydrogen Mission
- Green Hydrogen policy released by Ministry of Power

India Announces Definition of Green Hydrogen: Green Hydrogen Standard Specifies Emission Threshold of 2kg CO2 Equivalent/kg H2 as 12-month Average

In a significant move for the progress of the National Green Hydrogen Mission, the government has notified the Green Hydrogen Standard for India. The standard issued by the Ministry of New and Renewable Energy (MNRE), Government of India outlines the emission thresholds that must be met in order for hydrogen produced to be classified as 'Green', i.e., from renewable sources. The scope of the definition encompasses both electrolysis-based and biomass-based hydrogen production methods.

After discussions with multiple stakeholders, the Ministry of New & Renewable Energy has decided to define Green Hydrogen as having a well-to-gate emission (i.e., including water treatment, electrolysis, gas purification, drying and compression of hydrogen) of not more than 2 kg CO2 equivalent / kg H2.

The notification specifies that a detailed methodology for measurement, reporting, monitoring, on-site verification, and certification of green hydrogen and its derivatives shall be specified by the Ministry of New & Renewable Energy.

The notification also specifies that the Bureau of Energy Efficiency (BEE), Ministry of Power shall be the Nodal Authority for accreditation of agencies for the monitoring, verification and certification for Green Hydrogen production projects.

The notification of the Green Hydrogen Standard brings a lot of clarity to the Green Hydrogen community in India and was widely awaited. With this notification, India becomes one of the first few countries in the world to announce a definition of Green Hydrogen. The notification of the Green Hydrogen Standard for India can be accessed here.

Press Information Bureau

India Gets the Wheels Moving on a Special Plan for High-End EVs

The govt is looking at a new EV strategy on the lines of a phased manufacturing plan (PMP). This is part of a plan to woo global auto biggies such as Tesla in the high-end electric vehicles market. The new plan is likely to be company-agnostic and cater to the needs of the entire industry, besides playing a role in boosting the EV ecosystem in India, the report said.

The plan is based on the basic premise that a phased manufacturing programme will help companies slowly raise the level of indigenisation. The govt expects its incentives to meet domestic demand besides creating a base for exports. These incentives are also expected to help develop capacity in a new segment, without negatively impacting domestic companies like Tata Motors and Mahindra. It may be noted here that these two companies are putting big money into the electric vehicle space. According to the report, the new plan will bring a graded duty structure to boost local manufacturing. This plan has the potential to help fast-track India's transition towards EV, at the same time boosting an emerging segment, sources cited.

Tesla is currently making plans to diversify beyond China, which is one of its major production bases. There have of late been enough indications that the Elon Musk-led EV giant has been seeking to "bring its entire ecosystem, including vendors, to India".

As per the report, Tesla is already sourcing goods worth around Rs 12,000 crore (approx. €1.33 billion) from the country. During discussions held so far, officials reportedly told Tesla that the company could come through the PMP or FAME route, it said.

There were reports in July that Tesla is looking to set up a factory in India to make vehicles priced around Rs 20 lakh (approx. 22.22K Euro), with a capacity of around five lakh units. Other than Tesla, some other global biggies such as BMW and Foxconn have also evinced interest in the India EV space.

BMW executives recently met officials from the heavy industries ministry, pitching for allowing duty-free import of EVs for three years. After this period, they intend to invest in a manufacturing facility in India, they said. If the company fails to invest, it would refund the duty benefits, the executives told the ministry. In early August, the CEO of Mobility in Harmony, the EV platform of Foxconn, said that the company, which is in the process of deploying

firstpost.com

more money in India, is looking to set up base either in India or Thailand for a three-seat vehicle to be priced between Rs 8.5 lakh (9.44K Euro) to Rs 17 lakh (18.88K Euro).

The Economic Times

ACC Battery Market Demand in India to rise to 220 GWh by 2030: Report

The advanced chemistry cell battery market demand in India is expected to grow at a CAGR of 50 per cent from 20 GWh in 2022 to around 220 GWh by 2030, according to a CII report released. The growth is expected to be supported by the thriving local battery manufacturing industry and a robust local supply chain.

As a result, India is expected to localize a significant portion of the entire value chain from material processing to pack assembly and integration, said the report on 'Roadmap for Future Mobility 2030'.

The report recommends incentivizing development of domestic mines as several raw minerals such as cobalt, nickel, lithium and copper have a negligible reserve, production, and refining capacity in India. It also calls for lowering the custom duty of critical minerals used in battery manufacturing and incentivising setting up of mineral processing plants to extract required minerals.

India needs a battery chemical processing industry at par with several other stages of battery manufacturing and various measures in form of incentives, exemptions from various taxes etc., said the CII report.

Economic Times

EU/EFTA-India

India, European Free Trade Association Agree to Conclude Talks Early

A delegation led by Swiss economic affairs secretary Helene Budliger Artieda met Indian minister Piyush Goyal in London. INDIA and a four-nation bloc of Europe have agreed on an early conclusion of negotiations for a free trade agreement. India and European Free Trade Association (EFTA) states – Iceland, Liechtenstein, Norway and Switzerland – are negotiating the Trade and Economic Partnership Agreement (TEPA).

Indian commerce and industry minister Piyush Goyal held discussions on the progress of the agreement with an EFTA delegation led by the Swiss state secretary for economic affairs, Helene Budliger Artieda, in London on July 11 and 12. Artieda was accompanied by stakeholders from pharmaceutical, machinery and electronics industries of the EFTA states, the Indian commerce ministry said.

“The deliberations between the minister Piyush Goyal and state secretary Helene Budliger Artieda were fruitful and detailed discussions on crucial issues, with the shared goal of swiftly concluding the TEPA negotiations,” it said.

Over the past few months, India and EFTA have intensified their engagement, highlighting the commitment of both parties to achieving an early conclusion to the TEPA negotiations, it added. Under such pacts, trading partners significantly reduce or eliminate customs duties on several goods traded between them, besides easing norms to promote trade in services and investments.

EasterEye

India plans to hold FTA talks with UK, EU, Canada on G20 sidelines

India plans to hold bilateral free trade talks with the United Kingdom, the European Union and Canada and discuss bilateral trade issues with the Russian delegation on the sidelines of a G20 meeting next week, a top trade official said. The G20 trade ministers are likely to discuss trade and World Trade Organisation reforms in their meeting, trade secretary Sunil Barthwal also told reporters.

More than 300 delegates from G20 members are to gather in Jaipur, about 300 km from the capital New Delhi, for the Aug. 24-25 Trade and Investment Ministerial meeting. The Trade and Investment Working Group was set up in 2016 under the Chinese G20 presidency and has continued to hold talks on related issues at subsequent meetings.

"WTO reforms is one of the priority issues at G20," the official, said noting that the agenda for the G20, who account for nearly 85 per cent of global GDP, will include the role of logistics in expanding global value chains and small businesses.

Among others, France, Indonesia, South Korea, Turkey, UK, USA and EU have confirmed their participation.

The Financial Express

‘FTA Negotiations are Proceeding at a Good Pace’: EU top Trade Official during EU-India Dialogue on Trade and Investment

Chairing the EU-India High-Level Dialogue on Trade and Investment together with Union Commerce Minister Piyush Goyal in the national capital on August 26, EU Executive Vice-President and Commissioner for Trade, Valdis Dombrovskis showed satisfaction at the pace of talks for FTA between India and EU.

European Commission Executive Vice President, Valdis Dombrovskis said, "Well, negotiations are proceeding at a good pace. We already had five rounds of negotiations. We recently exchanged the first market access offers with each other... So on the EU side, we are typically working on what we call deep and comprehensive free trade agreements covering a broad range of areas, including for example, sustainability, ensuring that our trade does not lead to environmental degradation or reduction of labour standards or other negative externalities..."

The two sides previously launched talks in 2007, however, they were frozen in 2013. EU and Indian leaders agreed in May 2021 to resume negotiations. FTA is a pact between two or more countries to remove trade barriers between imports and exports and ensure hassle-free trade relations.

Times of India

Overview of SESEI Monthly Activities

spiceworks.com

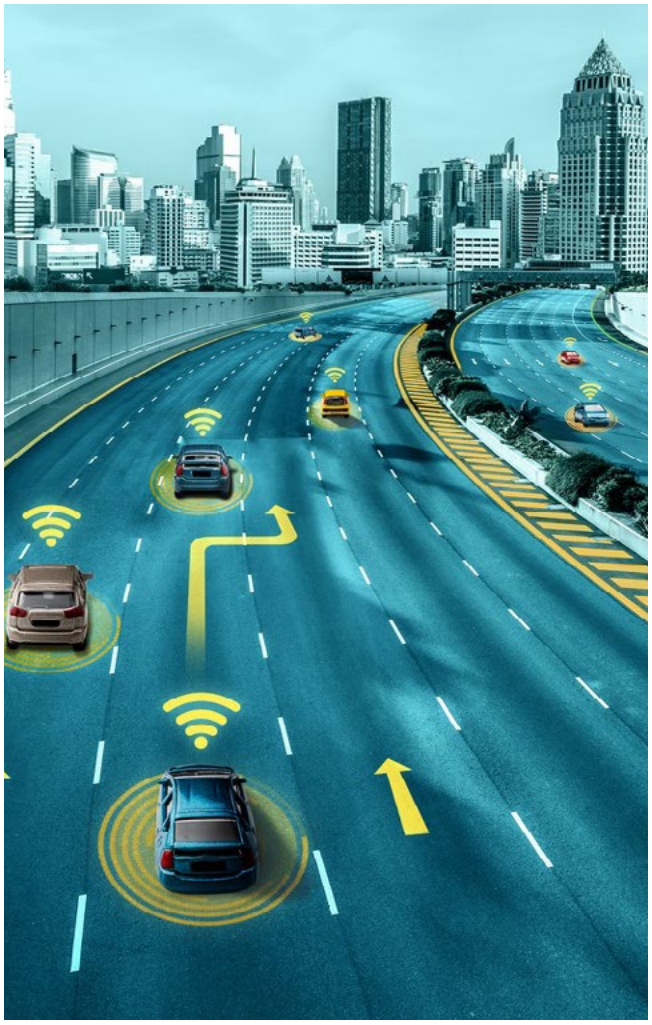
SESEI expert engages in various activities to promote the European Standards and Technologies and to ensure synergies between India and Europe on matters related to harmonisation of standards. During August 2023, SESEI was engaged in 15 meetings, participated in 10 events, and addressed 2 queries. In this section, we have provided readers a glimpse of few of these important activities undertaken by SESEI during the month period.

Meeting with Director General, Telecom Standardisation Development Society of India (TSDSI)

Mr. N. Mohanram has been appointed as the new Director General (DG) of TSDSI. ETSI and TSDSI share a close working relationship and have a cooperation agreement, strengthening relations after the establishment of a first Letter of Intent to cooperate with ETSI in November 2014. SESEI Expert on behalf of ETSI works closely with TSDSI and coordinates and supports locally. SESEI during this meeting made formal introductions and apprise the new DG TSDSI about the Project SESEI and its activities in India, TSDSI support for the 4th edition of the "**Indo-Euro Conference on Standards & Emerging Technologies**", status of ETSI NFV/IoT standards adoption by TSDSI, India Mobile Congress (IMC), 3GPP SA1 meeting in Bangalore and EU-INDIA TTC scope and activities etc. SESEI also discussed the ICT/IT standards in emerging technologies and the roadmap and how best Project SESEI can support TSDSI in its activities.

Meetings with BIS Technical Committee on Active Assisted Living (AAL) and Digital Signatures (SSD2)

SESEI is regular participants to BIS many technical committees such as AAL and SSD2 while supporting the implementation and related amendments on adopted Indian Standards based on EN 301 549 and EN 119 101. Committee on AAL during the meeting discussed the Quality requirement such as DPI and OCR of scanned PDF documents for Persons with Disability (PwD). SESEI with the help of ETSI TC ESI Chair is helping the BIS committee members - how best this requirement can be addressed instead of simply amending the Indian Standard which is harmonised with EN 301 549. Regarding Digital Signature after adoption of EN 119 101, discussions took place around next draft standard based on ETSI EN 319 102, ETSI organised training session agenda on ESI Standards as published by ETSI about Digital Signature which is scheduled for 21st Sep (organised by SESEI), and list of other ETSI Standards which BIS shall adopt as next step to complete the library on this subject.


tomorrow.city

Workshop on Standards - Guidelines and Specifications Organized by NIUA-CDG

National Urban Digital Mission (NUDM) under its initiative of preparation/adoption of standards has published 6 Standards, namely Municipal Governance Reference Architecture and Property Tax Taxonomy, Municipal Grievance Redressal, Water and Sewerage, Trade Licenses, and Fire NOCs Knowledge Standards - Guidelines and Specifications and is currently working on additional 04 Standards. In continuation to the efforts in preparation of Standards, National Institute of Urban Affairs - Centre for Digital Governance (NIUA-CDG) organized this workshop on these published Standards—Guidelines and Specifications to disseminate the knowledge standards to the officials engaged in the delivery of municipal governance services. SESEI expert was invited by NIUA to attend this workshop on "Standards- Guidelines and Specifications" to discuss on Opportunities of Innovation and Efficient Municipal Digital Service Delivery through Standards" as a panellist. SESEI took this opportunity to share insights on how ICT standards play a key role in Digitalisation and Municipal Digital Service Delivery, use cases and good practices from EU countries, EU initiatives to ensure harmonisation and global interoperability of municipal digital services etc. Updates around Single Digital Gateway Regulation, ISA2 programme, European interoperability framework, NIFO - National Interoperability Framework Observatory, Digital Policy Hub were shared during the panel discussion.

Event on 'Towards Effective Implementation of Mission LiFE: From Consumer Duties to Consumer Rights'

EU delegation to India together with Centre for Responsible Business (C4RB) organized an event to bring together a distinguished gathering of experts to reflect upon successful EU and Indian examples of how eco-labels and other market and policy instruments can/could better contribute to the LiFE initiative's principles and priorities. SESEI expert was invited by EU delegation to attend the event and share insights on the EU policy measures around Circular Economy, Eco-design, Ecolabelling etc. and provide input to the report prepared.

Smart Cities, Safe City & Intelligent Mobility India 2023 Summit

Bharat Exhibitions organized its flagship event on Smart Cities, Safe City & Intelligent Mobility India 2023 Summit on 23rd August 2023 to bring together industry thought leaders, policymakers, investors, and innovators on a single platform. SESEI expert was invited by Bharat Exhibitions to moderate the panel discussion on:

- Safe City and Smart Mobility: The Vision for Future Urban Environments in India
- Creating Resilient Cities: Smart Mobility for Disaster Management and Emergency Response

SESEI used this opportunity to share a presentation covering Smart Cities & Role of Digital Technologies in Disaster, Smart mobility, Policies & Standards around Smart Cities, Smart Mobility (ITS) and Disaster Preparedness in Europe and India etc.

Upcoming Events

2nd Green Hydrogen India

When: 13-15 September 2023

Where: Greater Noida

The 2nd Green Hydrogen India will be held on 13-14-15 September in Greater Noida as the biggest convergence of the best minds connected to the sector. Over the 3 days the event will run dedicated tracks on Investments for Financing Green Hydrogen, Technology Session to help identify the best mix for your business and an overarching session covering subjects like Policy, Commercial Strategy. More information

2nd Edition Sustainability Summit 2023

When: 28 September 2023

Where: Bengaluru, India

In this conference, the top senior sustainability stakeholders from across the industry will discuss the challenges that they are facing, and the strategies leveraged to achieve long term business growth while building the sustainable work culture & environment for better tomorrow. More information

E-Waste Conference Asia 2.0

When: 29 September 2023

Where: New Delhi India

E-Waste Conference Asia (EWCA) 2.0 will witness the latest innovations and solutions to create a circular economy and help create sustainable supply chains for the future. The conference will cover some of the key points like collection and sorting solutions, credit trading, buy/take-back strategies, recovery of precious materials, circular electronics, raw materials, design for recycling, urban mining, IT asset disposition, and recycling of post-consumer, industrial & commercial electronics. More information

World Hydrogen Energy Summit 2023

When: 16 - 17 October 2023

Where: NDMC Convention Centre, New Delhi, India

The World Hydrogen Energy Summit is the Energy And Environment Foundation's global event offering a unique platform for hydrogen leaders to explore new energy futures. The theme of the summit is "Green Hydrogen: Cleaner and Zero Emission Fuel for a Sustainable Green Economy". More information

India EV Market Conclave 2023

When: 29 - 30 November 2023

Where: Hyatt Regency, New Delhi

The Conclave 2023 will focus on discussions on the evolving EV ecosystem in India, battery charging infrastructure, new opportunities, financing trends, risks, and challenges, and market outlook for the India EV market. More information

Annexure 1

Electrotechnical Department (ETD)

The following Draft Indian Standards were issued by Electro-Technical division council at BIS during the last month for eliciting technical comment:

Electrotechnical (ETD)				
S. No.	Document No.	Document title	IEC/ISO	Last date of comment
1	ETD 11(22944)	Fuel cell technologies Part 3-100: Stationary fuel cell power systems Safety	IEC TC 21 - (P) IEC / SC 21A - (P)	15-09-2023
2	ETD 18(22557)	Safety requirements for electrical equipment for measurement control and laboratory use - Part 2-202: Particular requirements for electrically operated valve actuators	IEC TC 65 A / SC 65 A - (P) IEC TC 65 B / SC 65 B - (P)	09-10-2023
3	ETD 18(22823)	Safety in installations for electro-heating and electromagnetic processing – Part 8: Particular requirements for electroslag remelting furnaces	IEC TC 65 A / SC 65 A - (P) IEC TC 65 B / SC 65 B - (P)	09-10-2023
4	ETD 18(22824)	Test methods of plasma equipment for electro-heat applications	IEC TC 65 A / SC 65 A - (P) IEC TC 65 B / SC 65 B - (P)	08-10-2023
5	ETD 22(22810)	CODE OF PRACTICE FOR INSTALLATION AND MAINTENANCE OF ELECTRICAL EQUIPMENT IN MINES First Revision	IEC TC-31 (P); IEC TC- SC-31G (O); IEC TC- SC-31J (P); IEC / SC 31M (O)	02-09-2023
6	ETD 22(22815)	Guide for Selection of Electrical and Electronic Equipment for Coal Mines First Revision	IEC TC-31 (P); IEC TC- SC-31G (O); IEC TC- SC-31J (P); IEC / SC 31M (O)	02-09-2023
https://www.services.bis.gov.in/php/BIS_2.0/dgdashboard/draft/darftdetail/65/3/ETD				

Electronics and Information Technology Department (LITD)

The following Draft Indian Standards were issued by Electronics and Information Technology division council (LITD) of BIS for eliciting technical comments:

Electronics and Information Technology Department (LITD)				
S. No.	Document No.	Document title	IEC/ISO	Last date of comment
1	LITD 14(19326)	Information Technology - Adequacy of Organizational Data Governance and Management Practices	ISO/IEC TC-JTC 1 SC-7 (P); ISO/IEC TC-JTC 1 SC-40 (P)	14-10-2023
2	LITD 17(23010)	Information security Encryption algorithms Part 7: Tweakable block ciphers	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	18-09-2023
3	LITD 17(23011)	Information technology public key infrastructure Practices and policy framework	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	21-09-2023
4	LITD 28(22596)	Municipal Governance Part 3: Building Plan Approval Section 6: Taxonomy	IEC TC-SyC SC- (P); IEC TC-SEG 9 (P); ISO/IEC TC-JTC 1 SC-WG 11 (P)	20-10-2023
5	LITD 28(22599)	Municipal Governance Part 3: Water and Sewerage Section 5: Taxonomy	IEC TC-SyC SC- (P); IEC TC-SEG 9 (P); ISO/IEC TC-JTC 1 SC-WG 11 (P)	20-10-2023
6	LITD 28(22601)	Municipal Governance Part 3: Trade License Section 4: Taxonomy	IEC TC-SyC SC- (P); IEC TC-SEG 9 (P); ISO/IEC TC-JTC 1 SC-WG 11 (P)	20-10-2023
7	LITD 28(22602)	Municipal Governance Part 3: Fire No Objection Certificate NoC Section 2: Taxonomy	IEC TC-SyC SC- (P); IEC TC-SEG 9 (P); ISO/IEC TC-JTC 1 SC-WG 11 (P)	20-10-2023
8	LITD 28(22606)	Municipal Governance Part 3: Municipal Grievance Redressal Section 3: Taxonomy	IEC TC-SyC SC- (P); IEC TC-SEG 9 (P); ISO/IEC TC-JTC 1 SC-WG 11 (P)	20-10-2023
https://www.services.bis.gov.in/php/BIS_2.0/dgdashboard/draft/darftdetail/66/3/LITD				

Service Sector Department

The following Draft Indian Standards were issued by SSD of BIS during the last month for eliciting technical comment:

Services				
S. No.	Document No.	Document title	IEC/ISO	Last date of comment
1	SSD 12(22316)	Exchange Formats for the Audit Data Collection Standard - XML and JSON	ISO TC-295 (P)	23-09-2023
https://www.services.bis.gov.in/php/BIS_2.0/dgdashboard/draft/darftdetail/107/3/SSD				

Chemical Department (CHD)

The following Draft Indian Standards were issued by Chemical Department (CHD) of BIS for eliciting technical comments:

Chemical Department (CHD)				
S. No.	Document No.	Document title	IEC/ISO	Last date of comment
1	CHD 33(22328)	Solid Waste Management Segregation Collection and Utilization at Commercial Facilities Shops Markets Malls etc Guidelines	ISO TC- 275 (P); ISO TC- (P)	18-09-2023
2	CHD 33(22850)	Refuse Collection Vehicles Waste Odour and Leachate Prevention and Control	ISO TC- 275 (P); ISO TC- (P)	18-09-2023
3	CHD 33(22857)	Energy Consumption of Refuse Collection Vehicles Method of Test	ISO TC- 275 (P); ISO TC- (P)	18-09-2023
4	CHD 33(22864)	Refuse Collection Vehicles Safety of manual and rear-loaded refuse collection vehicles	ISO TC- 275 (P); ISO TC- (P)	18-09-2023
https://www.services.bis.gov.in/php/BIS_2.0/dgdashboard/draft/darftdetail/62/3/CHD				

Petroleum, Coal and Related Products Department (PCD)

The following Draft Indian Standards were issued by Petroleum, Coal and Related Products Department (PCD) of BIS for eliciting technical comments:

Petroleum, Coal and Related Products Department (PCD)				
S. No.	Document No.	Document title	IEC/ISO	Last date of comment
1	PCD 12(22832)	Positive List of Constituents of Ionomer Resins for its Safe Use in contact with Foodstuffs Pharmaceuticals and Drinking Water	ISO TC 61/2,4,5,6,9 / SC 61/2,4,5,6,9	03-09-2023
2	PCD 12(22833)	Positive List of Constituents of Ethyleneacrylic Acid EAA Copolymers for their Safe Use in contact with Foodstuffs Pharmaceuticals and Drinking Water	ISO TC 61/2,4,5,6,9 / SC 61/2,4,5,6,9	03-09-2023
3	PCD 12(22834)	Nylon-6 Polymer for its safe use in contact with Foodstuffs Pharmaceuticals and Drinking Water Specification	ISO TC 61/2,4,5,6,9 / SC 61/2,4,5,6,9	03-09-2023
4	PCD 12(23102)	Polystyrene Moulding and Extrusion Materials Part 1 Designation System and Basis for Specifications	ISO TC 61/2,4,5,6,9 / SC 61/2,4,5,6,9	29-09-2023
5	PCD 12(23103)	Plastics Polystyrene PS Moulding and Extrusion Materials Part 2 Preparation of Test Specimens and Determination of Properties	ISO TC 61/2,4,5,6,9 / SC 61/2,4,5,6,9	29-09-2023
6	PCD 12(23279)	Solvent Cements for Chlorinated Poly Vinyl Chloride CPVC Plastic Pipe and Fittings	ISO TC 61/2,4,5,6,9 / SC 61/2,4,5,6,9	16-10-2023
7	PCD 21(22060)	Plastic Feeding and Drinking Containers Accessories and Cutleries for Infant and Child Use Specification	ISO/TC 61; ISO/TC 122	16-10-2023
8	PCD 21(23121)	Blow Moulded Polyolefin Containers-Specification: Part 1 upto 5 Litres Capacity	ISO/TC 61; ISO/TC 122	03-10-2023
9	PCD 21(23122)	Blow Moulded Polyolefin Containers Specification Part 2 over 5 Litres upto and including 60 Litres Capacity	ISO/TC 61; ISO/TC 122	03-10-2023
10	PCD 21(23123)	Blow Moulded Polyolefin Containers Specification Part 3 Closed Head Containers over 60 Litres upto and including 250 Litres Capacity	ISO/TC 61; ISO/TC 122	03-10-2023
11	PCD 21(23202)	Polyethylene Containers for the Transport of Materials Specification	ISO/TC 61; ISO/TC 122	08-10-2023
https://www.services.bis.gov.in/php/BIS_2.0/dgdashboard/draft/darftdetail/69/3/PCD				

Mobility/Transport (TED)

The following Draft Indian Standards were issued by Transport engineering division council at BIS during the last month for eliciting technical comment:

Transport Engineering Department (TED)				
S. No.	Document No.	Document title	IEC/ISO	Last date of comment
1	TED 27(22985)	SPECIFIC REQUIREMENTS FOR M & N CATEGORY ELECTRIC POWER TRAIN VEHICLES	ISO TC 22 - (P) ISO TC 22 / SC 37 - (O) IEC TC 69 - (O)	14-09-2023
2	TED 27(22986)	SPECIFIC REQUIREMENTS FOR L CATEGORY ELECTRIC POWER TRAIN VEHICLES	ISO TC 22 - (P) ISO TC 22 / SC 37 - (O) IEC TC 69 - (O)	14-09-2023
https://www.services.bis.gov.in/php/BIS_2.0/dgdashboard/draft/darftdetail/67/3/TED				

At Automotive Research Association of India (ARAI)

The following Draft Indian Standards were issued by Automotive Research Association of India during the last month for eliciting technical comment:

Mobility at ARAI			
S. No.	Code	Title	Last date of comments
1	Draft AIS-205/D0	Provisions ensuring uniform conditions for the implementation of interoperability and compatibility of on-board weighing equipment	22-09-2023
https://www.araiindia.com/downloads			

ICT at TEC

S. No.	Standard Number	Name of Standard	Date of Issue	Standard Type
1	TEC 71120:2023	Converged Multi-Service Application Access Equipment	28-07-2023	GR
https://www.tec.gov.in/standards-specifications				
https://www.tec.gov.in/essential-requirements				

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.

SESEI

European Business and Technology Centre
DLTA Complex, South Block, 1st Floor,
1, Africa Avenue, New Delhi 110029

Mobile: +91 9810079461

Desk: +91 11 3352 1525

Board: +91 11 3352 1500

Fax: +91 11 3352 1501

E-mail: dinesh.chand.sharma@sesei.eu

www.sesei.eu

CEN
European Committee for Standardization
www.cen.eu

CENELEC
European Committee for Electrotechnical Standardization
www.cenelec.eu

ETSI
European Telecommunications Standards Institute
www.etsi.eu

EC
European Commission
www.ec.europa.eu

EFTA
European Free Trade Association
www.efta.int