EUROPE

SESEI
Newsletter

SECONDED EUROPEAN STANDARDIZATION EXPERT IN INDIA

cen	CENELEC	ETSI	European Commission	EFTA
European Committee for Standardization	European Committee for Electro Technical Standardization	European Telecommunications Standards Institute	European Commission	European Free Trade Association

IN THIS ISSUE

Greeting from SESEI!

Dear Readers,

On behalf of the SESEI Project we extend a very warm welcome to all of you while presenting this "SESEI Newsletter – Europe" issue twelve covering important information and latest updates from the India for the period of April to June 2022 concerning our project priority sectors.

This quarter has been exciting for both India and The European Union (EU) as they resumed talks for the India-EU Free Trade Agreement (FTA) negotiations after a gap of nine long years. The talks were formally re-launched at an event held at the European Union headquarters in Brussels on June 17 by the India's Commerce and Industry Minister Shri Piyush Goyal, and Mr. Valdis Dombrovskis, Executive Vice-President of the European Commission.

Another important update this quarter has been regarding the establishment of "EU-India Trade and Technology Council". President of the European Commission, Ms. Ursula von der Leyen, and Prime Minister of India, Shri Narendra Modi, agreed to launch the EU-India Trade and Technology Council. This strategic coordination mechanism will allow both partners to tackle challenges at the nexus of trade, trusted technology, and security, and thus deepen cooperation in these fields between the EU and India. The Trade and Technology Council will provide the political steer and the necessary structure to operationalize political decisions, coordinate technical work, and report to the same to political level to ensure its proper implementation and follow-up in the areas that are important for the sustainable progress of European and Indian economies.

The European Union Intellectual Property Office (EUIPO) has also signed/renewed a Memorandum of Understanding (MoU) with the Department for Promotion of Industry and Internal Trade (DPIIT) of the Ministry of Commerce and Industry, setting the ground for the future relations and cooperation on Intellectual Property Rights and patents.

In the automotive sector, the focus is towards ensuring the availability of EV ecosystem in the country. The Bureau of Indian Standards (BIS) has established standardized parameters for performance of lithium-ion batteries that are used in electric vehicles (EVs). This standard incorporates the test procedure for basic characteristic of performance, reliability and electrical functionality for the battery packs and system for either high power or high energy application. Two more standards related to batteries for various passenger and goods carrying vehicles are also in the process of being formulated.

Niti Aayog has also released a draft battery-swapping policy 2022 targeted at electric two-wheelers and three-wheelers to expedite large-scale adoption of EVs in the country. Battery swapping involves exchanging discharged batteries with charged ones, delinking the vehicle hence reducing the upfront cost of the vehicles. SESEI expert worked on this important topic with EU industry representative and organised meetings with respective Indian stakeholders.

The Ministry of Railways (MoR) will be investing in the Indian startups under its Innovation Policy initiative, to address quality, reliability, and maintainability-related issues of the Indian Railways. It further wants to leverage innovative technologies that are developed by Indian startups to improve operational efficiency and safety of the Indian Railways.

Similarly, 5G is the focus in the ICT sector, all stakeholders are working towards making India 5G ready in a fast-track manner. TSDSI's 5Gi standard has been formally merged with the 3GPP 5G Standard and is getting implemented into the 3GPP Rel-17 NR specifications. 3GPP RAN approved two Rel-17 Change Requests (CRs) that enables Pi/2-BPSK waveform with filtering to be implemented in the 5G Networks. Government of India has launched a 5G Test Bed, developed as a multi-institute collaborative project by total of eight institutes led by IIT Madras. C-DoT, the research wing of the DoT is also working on developing an Open-RAN testbed.

Another important move by the DoT in wake of the upcoming 5G spectrum auctions is extending the date for the mandatory testing and certification of 4G/5G products by one year moving it to July 1st, 2023. Further, DoT has removed Mobile user equipment/ mobile handset, server, smart watch, smart camera and point of sale devices from its prior mandatory testing and certification list. The DoT's move is to ensure that there is no duplication in terms of testing and certification of these five products as they are already covered under the list of the Ministry of Electronics and IT (MEITY) Electronics Products under Compulsory registration Order (CRO) Scheme. Department of Telecommunications (DoT) has also extended the Production Linked Incentive (PLI) scheme for the telecom industry by another year and has expanded its scope to cover design-led manufacturing.

Like Europe, Sustainability and Environmental protection is one of the key strategies adopted by India. India and Denmark have agreed to further strengthen the "Green Strategic Partnership" with focus on green hydrogen, renewable energy, and wastewater management. Similarly, the Indo-German Science and Technology Centre (IGSTC) proposed a plan to set up an artificial intelligence initiative focusing on healthcare and sustainability with India.

India's major Power Public Sector Undertaking - NTPC Ltd, which is also India's largest integrated energy producer have issued renewed Biodiversity Policy 2022 to establish a comprehensive vision and guiding principle for conservation, restoration, and enhancement of biodiversity.

Lastly, I would like to conclude that SESEI project organized a study tour for the delegation of BIS officials to share the best regulatory practices, policy making, the standardization system and process in Europe with EC, CEN-CENELEC, ETSI, EFTA, AFNOR, BELAC etc. All the Project Partners and EU Standardization stakeholders participated in this and provided their fullest cooperation to the SESEI project and to the BIS Delegation in ensuring its success and productivity. This training and exposure visit will surely bring more coherence and cooperation between India and EU on harmonization of standards and increased thrust in other areas of mutual interest and cooperation.
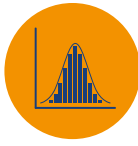
We wish you a happy reading and a happy holiday season.

Warm Regards,
Dinesh Chand Sharma

SESEI | Seconded European Standardisation Expert in India
Enabling Europe–India Cooperation on Standards

Standards/IPR/TBT-Market Access

The List of Draft Indian Standards as issued by BIS for eliciting technical comment along with Standards as published by ARAI and TSDSI are available as part of Annexure 1 to this newsletter.

asiaactual.com

DoT discusses a strategy road map to promote IPR in Telecom sector

The Department of Telecommunications (DoT) is discussing a strategy road map to promote intellectual property rights (IPR) in the sector which could include the setting up of a 'Sovereign Patent Fund' and a 'Bharat Technology Bank' as well as taking measures to reduce the long delays in obtaining a patent.

Read more

BIS establishes performance standards for EV batteries in India

The Bureau of Indian Standards (BIS) has established standardized parameters for performance of lithium-ion batteries that are used in electric vehicles (EVs). A BIS official told ET that this standard incorporates the test procedure for basic characteristic of performance, reliability and electrical functionality for the battery packs and system for either high power or high energy application.

"Two more standards related to batteries for various passenger and goods carrying vehicles are also in the process of being formulated," he added. Those will be keeping view on safety aspect of batteries for EV.

Read more

DPIIT and EUIPO sign a bilateral agreement

The European Union Intellectual Property Office (EUIPO) has signed a Memorandum of Understanding (MoU) with the Department for Promotion of Industry and Internal Trade (DPIIT) of the Ministry of Commerce and Industry, Government of India, which will set the ground for future relations and cooperation between the two organisations. The IP cooperation between the EU and India dates back to 2015 when the EU-funded cooperation project, EU-India Intellectual Property Cooperation (IPC-EUI), was launched. The project kicked off the negotiations between the EUIPO and the Indian authorities, namely the Controller General of Patents, Designs and Trade Marks (CGPDTM) and the DPIIT, and ultimately led to the signing of a bilateral agreement.

Read more/Download

TBT Notifications:

- G/SPS/N/IND/281: Food Safety and Standards (Food Products Standards and Food Additives) Amendment Regulations, 2022

- G/SPS/N/IND/282: Draft Plant Quarantine (Regulation of Import into India) Order, 2003 (Third Amendment) 2022

Smart Cities

Bhopal, Surat, Udaipur to be India's first smart cities

Bhopal, Surat, Bhubaneswar, Udaipur, Ahmedabad, Varanasi and Indore are set to be declared India's 'first set of smart cities'. Seven years after launch of a flagship urban renewal mission to make 100 cities sustainable and citizen-friendly, the seven cities from Madhya Pradesh, Gujarat, Rajasthan, Odisha and Uttar Pradesh will be showcased as such cities by the end of the year.

Read more

Tech campuses play the 5G tone in indigenization drive

IIT-Madras, IISc, Bengaluru, IIT-Kanpur and a few other top-tier tech institutes are rapidly building the hardware and software for 5G technologies and using their campuses as testing facilities. They are expected to roll out pilots on superior broadband connectivity, internet-connected household devices, analytics on traffic, congestion, vehicle nature statistics and several other advancements that would figure in a 'Smart City'.

Read more

Patna is one of four cities chosen for the ISCA competition

Four cities in the state of Patna, Bhagalpur, Biharsharif, and Muzaffarpur, have been selected for the Centres India smart cities award (ISCA) competition, which is funded by the Ministry of urban and housing affairs. 75 out of the total 100 smart cities across the country, including four from Bihar, have qualified for the final round of ISAC 2022, including the city award, stateUT award, leadership award, innovation award, and partner award. The projects will be evaluated based on their value, impact, and scalability.

Read more

Mobility

siemens.com

NITI Aayog released draft Battery Swapping Policy 2022

To expedite large-scale adoption of EVs, the government think tank NITI Aayog released the draft battery-swapping policy 2022 targeted at electric two-wheelers and three-wheelers, proposing incentives for electric vehicles with swappable batteries, subsidies to firms manufacturing swappable batteries, technical and testing requirements and reduction of GST, among other things. Battery swapping involves exchanging discharged batteries for charged ones, delinking the vehicle and fuel and hence, reducing the upfront cost of the vehicles.

Read more

Indian auto ancillaries moving towards EVs, green manufacturing

Sensing a global opportunity in the electric vehicles (EV) segment, Indian automotive ancillaries are shifting gears in sync with the trend, said a top industry sector official. Many of the players in the USD 46 billion (FY21) industry are also supplying to non-auto sectors like defence, railways and aerospace, Automotive Component Manufacturers Association of India (ACMA) president said.

Read more

Ministry of Railways notifications:

- 2020/RS(L)/779/1: Approval for Global Tender Enquire (GTE) below INR. 200 crore (25 million Euro) from the competent authority.

- 2022/RS(G)/779/3: Procurement of Bed Roll Items

- 2021/RS(G)/779/7: Procurement from approved sources-Vendor Directory

- 2020/RS(G)/779/12: Procurement of signalling items -timely execution of signalling projects

- 2021/RS(G)/779/21: Issue of developmental tenders.

Ministry of Road, Transport and Highways issued following notifications:

- G.S.R. 272(E) regarding Central Motor Vehicles (Eighth Amendment) Rules, 2022.

Read more

- G.S.R. 221(E) regarding Central Motor Vehicles (Second Amendment) Rules, 2022.

Read more

ICT including services

pexels.com

TSDSI 5Gi standard merged with 3GPP 5G

TSDSI's 5Gi standard has been formally merged with the 3GPP 5G Standard and implemented into the 3GPP Rel-17 NR specifications. 3GPP RAN approved two Rel-17 Change Requests (CRs) that enables Pi/2-BPSK waveform with filtering to be implemented in the 5G Networks. This indigenously developed technology enables the deployment of 5G cell sites with long range – an important requirement for improving cellular and IoT connectivity in rural India.

Read more

DoT exempts handsets, smart watches from mandatory testing

The Department of Telecom (DoT) has removed Mobile user equipment/mobile handset, server, smart watch, smart camera and point of sale devices from its prior mandatory testing and certification list. The DoT's move is to ensure there is no duplication in terms of testing and certification of these five products as they are already covered under the list of the Ministry of Electronics and IT (MEITY).

Read more

In another update, the Department of Telecommunications (DoT) has also extended the date for mandatory testing and certification of 4G and 5G products by one year to July 1, 2023.

Read more

Government launches 5G Test Bed developed by eight technical institutes

Government of India launched a 5G Test Bed, developed as a multi-institute collaborative project by a total of eight institutes led by IIT Madras. The testbed has been set up at a cost of around INR 220 crore (€27.5 million). The other institutes that participated in the project include IIT Delhi, IIT Hyderabad, IIT Bombay, IIT Kanpur, IISc Bangalore, Society for Applied Microwave Electronics Engineering and Research (SAMEER) and Centre of Excellence in Wireless Technology (CEWiT).

Read more

Government likely to bring changes in the Data Protection Bill

Government of India is likely to bring changes in the Data Protection Bill, in a manner that only companies based in countries sharing land border with India, need to store data within the country. The other likely modification in the bill could be that firms with origin in countries sharing land border with India, would have to compulsory store all data for around three months.

Read more

5G network rollout likely in August: Telecom Secretary

Telecom secretary has said that 5G rollout is expected to begin in August once the auctions are conducted in July. He also illustrated the benefits of using an Open Radio Access Network (OpenRAN) for 5G deployment, adding that C-DoT, the research wing of the Department of Telecommunications (DoT), is working on developing an OpenRAN test-bed.

Read more

Satcom Industry Association (SIA) urges India to align with Europe, 120 nations on spectrum allocation

Expressing concerns over telecom regulator TRAI's recommendations on spectrum auction, satellite communications industry body SIA has written to the government urging it to align the radio waves allocation policy with Europe and over 120 countries. SIA in a letter to Telecom Minister expressed serious concerns on recommendations of the Telecom Regulatory Authority of India (Trai) to include 27.5 to 28.5 GHz and 3.60 to 3.67 GHz bands in the proposed 5G spectrum auction.

Read more

Telecom department (DoT) launched 5G Vertical Engagement and Partnership Program (VEPP)

The Department of Telecommunications (DoT) launched 5G Vertical Engagement and Partnership Program (VEPP) and invited Expression of Interest (EoI) to create partnerships across 5G use-case ecosystem stakeholders with an emphasis to address vertical industry needs.

Read more

DoT/TEC Notifications

- TEC Initiatives in M2M/ IoT Domain- An overview.

  Download

- Framework of National Trust Centre for M2M/IoT Devices and Applications.

  Download

- IoT/ ICT Standards for Smart Cities.

  Download

- Roll out of Small Cells for 5G Network by Leveraging Street Furniture.

  Download

MEITY Notifications

- Seeking suggestions on the Draft National Data Governance Framework Policy which aims to enhance access, quality, and use of data, in line with the current and emerging technology needs of the decade.

  Read more

- Public comments on the proposed draft for amendment in Part-I and Part-II of the Information Technology (Intermediary Guidelines and Digital Media Ethics Code) Rules, 2021).

  Read more

TRAI Consultation papers/ recommendations:

- Consultation Paper on Issues relating to Media Ownership.

  Read more

- Consultation Paper on Rating of Buildings or Areas for Digital Connectivity.

  Read more

- Consultation Paper on Use of street furniture for small cell and aerial fiber deployment.

  Read more

- Recommendations on IMT/5G bands spectrum auction.

  Read more

- Consultation Paper on Issues related to New Regulatory Framework for Broadcasting and Cable services.

  Read more/Download

Electrical Equipment including Consumer Electronics

MEITY invited EoI for transfer of technology of SMART ENERGY METER

Ministry of Electronics and Information Technology (MEITY) has invited Expression of Interest (EoI) for transfer of Technology of Smart Energy Meter.

Read more/Download

Centre announces Rs 1,000 crore (€122 million) scheme for power and RE equipment making zones

The Centre has proposed a scheme worth Rs 1,000 crore (€122 million) to invite private companies to set up manufacturing zones for power and renewable energy (RE) equipment. The move is part of the government's efforts to cut down on import reliance and build domestic capacity. The three proposed zones are proposed to come up by 2026-27.

Read more

MHI Signs an MoU with NRDC

Ministry of Heavy Industries (MHI) has signed an Memorandum of Understanding (MoU) with National Research Development Corporation (NRDC) for undertaking various activities for smooth implementation of the Scheme for Enhancement of Competitiveness in the Indian Capital Goods Sector. As per the MoU, NRDC will conduct the activities like evaluation and review of the scheme, management of intellectual property rights and commercialization support for the products developed under Capital Goods Scheme Phase-I & II etc. on behalf of MHI.

Read more

Ministry of New and Renewable Energy (MNRE) has issued following notifications/Office Memorandum (OM):

- Invitation of proposals for pilot demonstration of new and innovative solar applications under GIZ's bilateral project titled "Innovative Solar Area (IN-Solar).

Read more

- Seeking Expression of Interest (EoI) for setting up a manufacturing zone on pilot basis for power & renewable energy sector.

Read more

- Information related to Decentralized Solar Schemes implemented by MNRE.

Read more

- Revised list of Wind Models and Manufactures.

Read more

Ministry of Power (MoP) has issued following notifications/Office Memorandum (OM):

- Scheme for Flexibility in Generation and Scheduling of Thermal Hydro Power Stations through bundling with Renewable Energy and Storage Power.

Read more

- Revised EOI of Setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project).

Read more

- Amendment to Mega Power Policy 2009 for Provisional Mega Power Projects.

Read more

- Electricity (Rights of Consumers) Amendment Rules, 2022.

Read more

Manufacturing/Make in India

pexels.com

Government extends telecom PLI Scheme by one year

Department of Telecommunications (DoT) has extended the Productivity-Linked Incentive (PLI) scheme for the telecom industry by another year and has expanded its scope to cover design-led manufacturing. The Centre will provide additional incentives of over Rs 4,000 crore under the amended scheme. The existing PLI beneficiaries will be given an option to choose financial year 2021-22 or financial year 2022-23 as the first year of incentive.
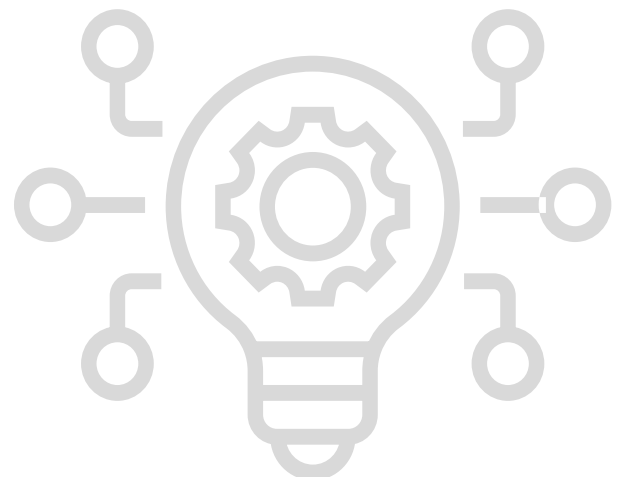
Read more

India will consume semiconductors of $80 bn to manufacture electronics worth $300 bn: MoS IT

India will consume semiconductors of around USD 70-80 billion to manufacture electronics products worth USD 300 billion by 2026 as envisaged in the government's vision document, Minister of State for Electronics and IT said. The minister said the government will achieve the target of establishing a semiconductor ecosystem in the country based on the interest it is getting from the globe.

Read more

BIS grants 630 licenses to MSME toy manufacturer

As per the Union Minister of State for Consumer Affairs, the Bureau of Indian Standards (BIS) has granted 630 licenses to MSME toy manufacturers as of March 28, 2022. Safety of toys is under compulsory BIS certification from 01 Jan 2021 as per the Toys (Quality Control) Order (QCO), 2020 issued by the Ministry of Commerce and Industry (Department for Promotion of Industry and Internal Trade) under Section 16 of the BIS Act, 2016.

Read more

R&D and Innovation

Cabinet approves extension of Atal Innovation Mission

The Union Cabinet has approved continuation of Atal Innovation Mission (AIM), till March 2023. The AIM shall work on its intended target of creating an innovation culture and entrepreneurial ecosystem in the country. This will be done by AIM via its various programs. The intended targets that will be achieved by AIM are establishing 10000 Atal Tinkering Labs (ATLs), establishing 101 Atal Incubation Centers (AICs), establishing 50 Atal Community Innovation Centers (ACICs) and supporting 200 startups via the Atal New India Challenges.

Read more

India's R&D expenditure has almost doubled in the last seven years

Union Minister of State (Independent Charge) Science & Technology; Minister of State (Independent Charge) Earth Sciences; MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr Jitendra Singh called upon the countries of Shanghai Cooperation Organisation (SCO) to join hands to innovate affordable scientific solutions for common challenges like ensuring food, affordable healthcare and energy access for its people.

Read more

Ministry Of Railways to Invest in Indian Startups Under Innovation Policy

The Ministry of Railways (MoR) will be investing up to INR 1.5 Cr in Indian startups under its Innovation Policy initiative. The ministry will be selecting startups that can create low-cost products and solutions for the Indian Railways network. With this move, the ministry aims to address quality, reliability and maintainability-related issues of the Indian Railways. It further wants to leverage innovative technologies that are developed by Indian startups to improve operational efficiency and safety of the Indian Railways.

Read more

Energy Efficiency & Environment including Circular Economy

India, Denmark to further strengthen Green Strategic Partnership

India and Denmark have agreed to further strengthen the "Green Strategic Partnership" with focus on green hydrogen, renewable energy and water waste management. The decision was taken between Prime Minister of India Narendra Modi and his Danish counterpart Mette Frederiksen during the delegation level talks in Copenhagen.

"The two leaders agreed to further strengthen their cooperation within the renewable energy sector and welcomed the work on a comprehensive Energy Policy Dialogue in India and Denmark especially strengthening cooperation on cross-sectoral energy planning with a focus on green hydrogen, integration of renewable energy, energy storage and decarbonization" said the statement.

Read more

NTPC releases Biodiversity Policy for conservation and restoration of biodiversity

NTPC Ltd, India's largest integrated energy producer has issued renewed Biodiversity Policy 2022 to establish a comprehensive vision and guiding principle for conservation, restoration, and enhancement of biodiversity. This Biodiversity Policy is an integral part of NTPC's Environmental Policy. Its objectives are aligned with environmental and sustainability policies. Moreover, the policy is also designed to support all the professionals of the NTPC Group to help them contribute toward the achievement of the targets set in this field.

Read more

Govt. amends biofuels policy, advances ethanol blending target to 2025-26

The Union Cabinet has approved advancing the target of blending 20% ethanol in petrol by 5 years to 2025-26 as well as allowing more feedstocks for the production of biofuels in a bid to cut reliance on imported oil for meeting the country's energy needs. The main amendment is for advancing the target of blending 20% ethanol in petrol (20% ethanol, 80% petrol) to 2025-26 from 2030. Currently, about 10% of ethanol is blended in petrol.

Read more

Ministry of Environment, forest and Climate Change released following notifications

- Draft - Environment (Protection) Amendment Rules, 2022 (Environmental Standards for New Calcined Petroleum Coke (CPU) units).

Read more

- Draft E Waste Management Rules Notification for seeking public comments (amendment).

Read more

EU-India/Trade-FTA/ Investments

India and EU agree to launch Trade and Technology Council

India and the European Union (EU) have agreed to launch a Trade and Technology Council, a strategic mechanism to address the challenges of ensuring trusted technology and security in the wake of rapid geopolitical changes — a move that is expected to deepen their strategic relationship. The decision to set up such a council will be the first for India with any of its partners and second for the EU, following the first one with the US.

Read more

India and EU resume Free Trade FTA talks

After a gap of about nine years, India and the European Union (EU) have resumed the much-awaited negotiations for the Free Trade Agreement (FTA) at an event held at the European Union headquarters in Brussels on June 17. India's Commerce and Industry Minister Piyush Goyal, and Valdis Dombrovskis, Executive Vice-President of the European Commission, formally re-launched the India-EU Free Trade Agreement (FTA) negotiations. The first round of India-EU free trade agreement negotiations is scheduled to begin in New Delhi on June 27.

Read more

India, Germany to launch Artificial Intelligence" ('AI') initiative on healthcare and sustainability

Indo-German Science and Technology Centre (IGSTC) is all set to propose a joint "Artificial Intelligence" ('AI') initiative on healthcare and sustainability. This was stated by Dr Jitendra Singh, Union Minister for Science & Technology and Earth Sciences, during the luncheon meeting hosted by President, DFG (German Research Foundation) Prof. (Dr) Katja Becker, who also happens to be a veteran Medical professional cum researcher.

Read more

India and Finland to create a Quantum Computing Virtual Network Center

India and Finland will establish an Indo-Finnish Virtual Network Centre on Quantum Computing. This bilateral collaboration between the two countries is an attempt to stimulate innovative research and development projects that address a specific need or challenge, demonstrate high industrial relevance and commercial potential, and aim to deliver benefit to both nations.

Read more

France to work closely with India on Make in India initiatives in space, defence

In keeping with the Make in India efforts, India and France decided to work closely together to address challenges connected to space issues, as well as strengthen their relations in climate change and defence. During Indian Prime Minister's recent visit to France, the two countries agreed to establish a bilateral strategic dialogue on space issues, building on a great tradition of over 60 years of technical and scientific space cooperation.

Read more

India, Denmark to further strengthen Green Strategic Partnership

Prime Minister of India Narendra Modi met his Danish counterpart Mette Frederiksen in Copenhagen and the two leaders held extensive discussions on the full range of bilateral cooperation as well as matters of regional and global interests. India and Denmark agreed to further strengthen the Green Strategic Partnership with a focus on green hydrogen, renewable energy and wastewater management.

Read more

India–Denmark Joint Statement during the Visit of Prime Minister to Denmark

Invest India

sbnri.com

Telecom regulatory (TRAI) recommends spectrum surrender guidelines to promote Ease of Doing Business (EoDB).

To promote Ease of Doing Business, Telecom Regulatory Authority of India (TRAI) has recommended easy and transparent spectrum surrender guidelines. According to TRAI, under this, the telecom operator will have to pay a fee of Rs 1 lakh while surrendering the frequency. According to the new guidelines, telecom companies will be allowed to surrender spectrum after 10 years of receiving it. TRAI has sent its new guidelines to the government for approval, due to their implementation, it is expected to make business easier for telecom companies.

Read more

India gets the highest annual Foreign Direct Investment (FDI) inflow of USD 83.57 billion in FY21-22

India has recorded highest ever annual FDI inflow of USD 83.57 billion in the Financial Year 2021-22. In 2014-2015, FDI inflow in India stood at mere 45.15 USD billion as compared to the highest ever annual FDI inflow of USD 83.57 billion reported during the financial year 2021-22 overtaking last year's FDI by USD 1.60 billion despite military operation in Ukraine and COVID-19 pandemic. India's FDI inflows have increased 20-fold since FY03-04, when the inflows were USD 4.3 billion only.

Read more

Upcoming Events

World Renewable Energy Technology Congress & Expo

When: *21 - 23 Aug 2022*

Where: *New Delhi, India*

The WRETC & Expo aims to deliberate upon the challenges and opportunities faced by Energy sector in the wake of volatile energy markets and environmental concerns, the requisite strategies and approach to ensure fullest exploitation of potential of renewable energy to the energy mix of the country for the energy security of India in particular and the energy security of other nations in general. For more details, please click here

IOT India Expo

When: *21 - 23 Sep 2022*

Where: *India Exposition Mart, Greater Noida, India*

IOT India Expo will explore the impact of the Internet of Things (IoT) on industries, such as manufacturing, transport, supply chain, insurance, logistics, government, energy, and automotive. The Indian industry will witness an upsurge in the demand for emerging digital technologies and services in the coming years. The recent initiatives by the Indian government to foster best-in-class infrastructure for developing the industries will lead to the adoption of smart factories, thereby further boosting the need for advanced technologies. For more details, please click here

EV India Expo

When: *07 - 09 Sep 2022*

Where: *India Exposition Mart, Greater Noida, India*

EV India Expo is an International Electric Motor Vehicle Show that will provide the opportunity and platform to electric vehicle manufacturers to showcase their latest products, technology and equipment, Smart and NextGen transport, electric passengers cars, scooter, motorcycle, cycles, buses, etc to meet and network with the trade industry as well as end-users with the main aim to find out new business and protection of the environment. For more details, please click here

Renewable Energy India Expo

When: *28 - 30 Sep 2022*

Where: *India Exposition Mart, Greater Noida, India*

Renewable Energy India will attract exhibitors, trade visitors, and esteemed policy-makers, decision-makers, influencers, technical experts, and professionals. It is a platform to exchange ground breaking ideas & technologies on an international platform, stay informed about the latest technological innovations in the renewable energy sector, meet the decision-makers who are shaping the renewable energy market and gain profound insights into current global trends in the renewable energy industry. For more details, please click here

International Conference on Advances and Applications of Artificial Intelligence and Machine Learning

When: *16 - 17 Sep 2022*

Where: *Sharda University, Greater Noida, India*

The conference is an international forum which aims to bring together leading academician, researchers and research scholars to exchange and share their experiences and hard-earned technological advancements and applications in Artificial Intelligence and Machine Learning. For more information, please click here

India e-Mobility Show

When: *03 - 04 Oct 2022*

Where: *India Exposition Mart, Greater Noida, India*

The India e-Mobility Show 2022 will provide an excellent convening space for regional & global EV players to network and explore business opportunities in a highly engaging business atmosphere. For more details, please click here

Annexure 1

Electrical Equipment including Consumer Electronics (ETD)

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

Electrical & Electronics at Bureau of Indian Standards (BIS)				
Electrotechnical (ETD)				
S. No.	Document No	Title of the Doc	IEC/ISO	Last Date for Comments
1	ETD 7(19612)	LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR PART 1 GENERAL RULES	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P)	6/22/2022
2	ETD 7(19617)	Low - Voltage switchgear and controlgear: Part 2 circuit - Breakers (First Revision) Amendment - 1	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P)	6/22/2022
3	ETD 7(19618)	Low-Voltage Switchgear and Controlgear: Part 3 Switches Disconnectors Switch-Disconnectors and Fuse-Combination Units	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P)	6/22/2022
4	ETD 7(19619)	Low-Voltage switchgear and controlgear : Part 4-1 Contactors and motor starters electromechanical contactors and motor-Starters	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P)	6/22/2022
5	ETD 7(19620)	Low-Voltage switchgear and Controlgear: Part 4-2 Contactors and Motorstarters semiconductor motor controllers starters and Soft starters	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P)	6/22/2022
6	ETD 7(19621)	Low-Voltage Switchgear And Controlgear: Part 4-3 Contactors And Motor-Starters Semiconductor Controllers And Semiconductor Contactors For Non-Motor Loads	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P)	6/22/2022
7	ETD 7(19622)	Low-Voltage Switchgear And Control Gear : Part 5-1 Control Circuit Devices And Switching Elements Electromechanical Control Circuit Devices	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P)	6/22/2022

8	ETD 7(19623)	Low-Voltage Switchgear And Controlgear: Part 5-2 Control Circuit Devices And Switching Elements Proximity Switches	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P)	6/22/2022
9	ETD 9(19637)	Conductors for insulated electric cables and flexible cords - Specification (Second Revision) Amendment - 1	IEC TC-20 (P)	6/23/2022
10	ETD 12(19502)	Specification for DC Moving Coil Galvanometers	IEC TC-85 (O)	6/10/2022
11	ETD 12(19503)	Specification for Vibration Galvanometers First Revision	IEC TC-85 (O)	6/11/2022
12	ETD 12(19507)	Specification for Plugs and Keys for Resistance Boxes	IEC TC-85 (O)	6/11/2022
13	ETD 12(19515)	Specification for Tangent Galvanometers First Revision	IEC TC-85 (O)	6/11/2022
14	ETD 12(19522)	Specification for Rheostats	IEC TC-85 (O)	6/11/2022
15	ETD 12(19523)	Specification for Bridge Insulations Testers Magneto Generator Type	IEC TC-85 (O)	6/11/2022
16	ETD 12(19524)	Specification for Ballistic Galvanometers First Revision	IEC TC-85 (O)	6/11/2022
17	ETD 35(19388)	Electromechanical elementary relays - Part 10: Additional functional aspects and safety requirements for high-capacity relays	IEC TC- (O); IEC TC- (P)	6/26/2022
18	ETD 35(19389)	Measuring relays and protection equipment - Part 187-1: Functional requirements for differential protection - Restrained and unrestrained differential protection of motors generators and transformers	IEC TC- (O); IEC TC- (P)	6/26/2022
19	ETD 16 (19302)	Power Transformers Part 4: Guide to the Lightning Impulse and Switching Impulse Testing Power Transformers and Reactors	IEC TC- 14 (P); IEC TC- 96 (P)	5/7/2022
20	ETD 16 (19303)	Guide for the Application Specification and Testing of Phase-Shifting Transformers	IEC TC- 14 (P); IEC TC- 96 (P)	5/7/2022
21	ETD 16 (19305)	Power Transformers Part 57-129: Transformers for HCDC Applications	IEC TC- 14 (P); IEC TC- 96 (P)	5/7/2022

22	ETD 16 (19308)	Power transformers - Part 57-1202: Liquid immersed phase-shifting transformers	IEC TC- 14 (P); IEC TC- 96 (P)	5/7/2022
23	ETD 35 (16435)	Electromechanical elementary relays - Part 4: General and safety requirements for reed relays	IEC TC- (O); IEC TC- (P)	5/16/2022
24	ETD 35(19388)	Electromechanical elementary relays - Part 10: Additional functional aspects and safety requirements for high-capacity relays	IEC TC- (O); IEC TC- (P)	6/26/2022
25	ETD 35(19389)	Measuring relays and protection equipment - Part 187-1: Functional requirements for differential protection - Restrained and unrestrained differential protection of motors generators and transformers	IEC TC- (O); IEC TC- (P)	6/26/2022
https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/65/3/ETD				

ICT/LITD

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

Electronics and Information Technology Department (LITD)				
S. No.	Document No	Title of the Doc	IEC/ISO	Last Date for Comments
1	LITD 1 (19286)	Environmental testing Part 2: Tests Section 55 Test Ee and guidance Loose cargo testing including bounce	IEC TC- 89 SC- (O); IEC TC-104 (P)	6/6/2022
2	LITD 1 (19289)	Environmental testing Part 2: Tests Section 14: Test N: Change of temperature	IEC TC- 89 SC- (O); IEC TC-104 (P)	6/6/2022
3	LITD 3(18177)	Connectors for Electronic Equipment Tests and Measurements Part 1: General examination Section 1: Test 1a: Visual examination	IEC TC- 48B SC- 48B (O); IEC TC- 48D SC- 48D (O); IEC TC-48 (O)	6/3/2022
4	LITD 3(18179)	Connectors for Electronic Equipment Tests and Measurements Part 1: General Examination Section 2: Test 1b: Examination of Dimension and Mass	IEC TC- 48B SC- 48B (O); IEC TC- 48D SC- 48D (O); IEC TC-48 (O)	6/3/2022

5	LITD 10(19281)	Energy management system application program interface EMS-API Part 452: CIM static transmission network model profiles	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	6/5/2022
6	LITD 10(19282)	Telecontrol equipment and systems Part 2: Operating conditions -Section 1: Power supply and electromagnetic compatibility	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	6/5/2022
7	LITD 10(19283)	Teleprotection equipment of power systems Performance and testing Part 1: Command systems First Revision	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	6/11/2022
8	LITD 10(19283)	Teleprotection equipment of power systems Performance and testing Part 1: Command systems First Revision	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	6/11/2022
9	LITD 7(18749)	Multimedia systems Guide to the recommended characteristics of analogue interfaces to achieve interoperability Second revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022
10	LITD 7(19228)	Digital Audio Interface Part 1: General Second Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022
11	LITD 7(19229)	Electroacoustics - Sound calibrators Second Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022
12	LITD 7(19230)	Electroacoustics Sound level meters Part 2: Pattern evaluation tests Second Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022
13	LITD 7(19231)	Interoperability specifications of common external power supplies EPS for use with data-enabled mobile telephones First Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022
14	LITD 7(19232)	Sound system equipment Part 3: Amplifiers Second Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022

15	LITD 7(19233)	Sound system equipment - Part 4: Microphones First Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022
16	LITD 2(19539)	Guidance on human aspects of dependability Superseding IS 11743:1986	IEC TC- 56 (P)	7/12/2022
17	LITD 12(19361)	Electrotechnical Vocabulary – Part 87: Radio communications: transmitters, receivers, networks and operation Amendment - 1	IEC TC- 103 (O)	6/27/2022
18	LITD 12(19362)	Electrotechnical Vocabulary Part 88 Space Radio Communications Amendment - 1	IEC TC- 103 (O)	6/27/2022
19	LITD 12(19363)	Electrotechnical Vocabulary – Part 712: Antennas Amendment - 1	IEC TC- 103 (O)	6/27/2022
20	LITD 19(19311)	Information technology for learning education and training - Nomadicity and mobile technologies	ISO/IEC/JTC1 TC- 36 SC- 36 (P)	7/12/2022
21	LITD 4(18860)	Electro technical Vocabulary : Electronic tubes	IEC TC- 110 (P)	5/31/2022
22	LITD 4(18878)	Measurement of the electrical properties of microwave tubes Part 1: Terminology	IEC TC- 110 (P)	5/31/2022
23	LITD 1 (19286)	Environmental testing Part 2: Tests Section 55 Test Ee and guidance Loose cargo testing including bounce	IEC TC- 89 SC- (O); IEC TC-104 (P)	6/6/2022
24	LITD 1 (19289)	Environmental testing Part 2: Tests Section 14: Test N: Change of temperature	IEC TC- 89 SC- (O); IEC TC-104 (P)	6/6/2022
25	LITD 3(18177)	Connectors for Electronic Equipment Tests and Measurements Part 1: General examination Section 1: Test 1a: Visual examination	IEC TC- 48B SC- 48B (O); IEC TC- 48D SC- 48D (O); IEC TC-48 (O)	6/3/2022
26	LITD 3(18179)	Connectors for Electronic Equipment Tests and Measurements Part 1: General Examination Section 2: Test 1b: Examination of Dimension and Mass	IEC TC- 48B SC- 48B (O); IEC TC- 48D SC- 48D (O); IEC TC-48 (O)	6/3/2022
27	LITD 10(19002)	Power line communication systems for power utility applications Part 1: Planning of analogue and digital power line carrier systems operating over EHVHVMV electricity grids	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	5/4/2022
28	LITD 10(19003)	Power line communication systems for power utility applications Part 2: Analogue power line carrier terminals or APLC	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	5/4/2022

29	LITD 10(19006)	Power line communication systems for power utility applications Part 3: Digital Power Line Carrier DPLC Terminals and hybrid ADPLC Terminals	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	5/4/2022
30	LITD 10(19281)	Energy management system application program interface EMS-API Part 452: CIM static transmission network model profiles	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	6/5/2022
31	LITD 10(19282)	Telecontrol equipment and systems Part 2: Operating conditions -Section 1: Power supply and electromagnetic compatibility	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	6/5/2022
32	LITD 10(19283)	Teleprotection equipment of power systems Performance and testing Part 1: Command systems First Revision	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	6/11/2022
33	LITD 7(18749)	Multimedia systems Guide to the recommended characteristics of analogue interfaces to achieve interoperability Second revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022
34	LITD 7(19228)	Digital Audio Interface Part 1: General Second Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022
35	LITD 7(19229)	Electroacoustics - Sound calibrators Second Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022
36	LITD 7(19230)	Electroacoustics Sound level meters Part 2: Pattern evaluation tests Second Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022
37	LITD 7(19231)	Interoperability specifications of common external power supplies EPS for use with data-enabled mobile telephones First Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022
38	LITD 7(19232)	Sound system equipment Part 3: Amplifiers Second Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022

39	LITD 7(19233)	Sound system equipment - Part 4: Microphones First Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	6/5/2022
40	LITD 20 (19019)	Coding of machine - Readable characters MICR And OCR for information processing	ISO/IEC/JTC1 TC- 2 SC-2 (P)	5/13/2022
41	LITD 24 (17813)	Ferrite cores Guidelines on dimensions and the limits of surface irregularities Part 1: General specification	IEC TC- 49 (P); ISO TC- 51 (P)	5/29/2022
42	LITD 15(18262)	Information technology Digital publishing EPUB 3.0.1 Part 6: Canonical fragment identifiers	ISO/IEC/JTC1 TC- 22 SC-22 (O); ISO/IEC/JTC1 TC- 32 SC-32 (P); ISO/IEC/JTC1 TC- 34 SC-34 (P)	6/3/2022
43	LITD 15(18263)	Information technology Digital publishing EPUB 3.0.1 Part 5: Media overlays	ISO/IEC/JTC1 TC- 22 SC-22 (O); ISO/IEC/JTC1 TC- 32 SC-32 (P); ISO/IEC/JTC1 TC- 34 SC-34 (P)	6/3/2022
44	LITD 15(18264)	Information technology Digital publishing EPUB 3.0.1 Part 4: Open container format	ISO/IEC/JTC1 TC- 22 SC-22 (O); ISO/IEC/JTC1 TC- 32 SC-32 (P); ISO/IEC/JTC1 TC- 34 SC-34 (P)	6/3/2022
45	LITD 15(18265)	Information technology Digital publishing EPUB 3.0.1 Part 3: Content documents	ISO/IEC/JTC1 TC- 22 SC-22 (O); ISO/IEC/JTC1 TC- 32 SC-32 (P); ISO/IEC/JTC1 TC- 34 SC-34 (P)	6/3/2022
46	LITD 15(18818)	Information technology Digital publishing EPUB 3.0.1 Part 1: Overview	ISO/IEC/JTC1 TC- 22 SC-22 (O); ISO/IEC/JTC1 TC- 32 SC-32 (P); ISO/IEC/JTC1 TC- 34 SC-34 (P)	6/3/2022
47	LITD 17(19027)	Cybersecurity Supplier relationships Part 1: Overview and concepts First Revision	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	5/20/2022

48	LITD 17(19028)	Information technology -Electronic discovery Part 4: Technical readiness	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	5/20/2022
49	LITD 17(19029)	Information security Encryption algorithms Part 1: General First Revision	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	5/20/2022
50	LITD 17 (19031)	Information Technology-Security Techniques - Encryption Algorithms Part 3 Block Ciphers Amendment - 1	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	5/20/2022
51	LITD 17(19039)	Information security Key management Part 7: Cross-domain password-based authenticated key exchange	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	5/31/2022
52	LITD 17(19040)	Information security Time- stamping services Part 2: Mechanisms producing independent tokens	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	5/29/2022
53	LITD 17(19042)	Information security Key management Part 3: Mechanisms using asymmetric techniques Second Revision	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	5/29/2022
54	LITD 17(19171)	Information security cybersecurity and privacy protection Biometric information protection	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	5/29/2022
https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/66/3/LITD				

Smart City/Civil Department (CED)

The following Draft Indian Standards were issued by CED 59-Smart Cities Sectional Committee of Civil engineering division council at BIS during the last quarter for eliciting technical comment:

Smart Cities				
S. No.	Document No	Title of the Doc	IEC/ISO	Give comments
No records found				
https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/63/3/CED				

Service Sector Department

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

At Bureau of Indian Standards (BIS)				
Services				
S. No.	Document No	Title of the Doc	IEC/ISO	Last date for Comments
1	SSD-II 10(18944)	Information Technology Cloud Computing Taxonomy Based Data Handling for Cloud Services	--	6/7/2022
2	SSD-II 10(18945)	Information Technology Cloud computing Edge computing landscape	--	6/7/2022
3	SSD-II 10(18946)	Information Technology Cloud Computing Common Technologies and Techniques	--	6/7/2022
4	SSD-I 3(19279)	Financial services- Official organizational roles- Scheme for official organizational roles	ISO TC-68 (P); ISO TC-222 (O)	6/4/2022
5	SSD-I 3(19280)	Banking Banking telecommunication messages Business identifier code BIC Second Revision	ISO TC-68 (P); ISO TC-222 (O)	6/4/2022
6	SSD-I 13(18583)	Media and Entertainment – Event Management Services– Vocabulary and Categorization of Events and Venues	ISO TC-68 (P); ISO TC-222 (O)	6/24/2022
7	SSD-I 2(19575)	Tourism and related services - Sustainability management system for accommodation establishments - Requirements	ISO TC-228 (P)	7/22/2022
8	SSD-I 2(19628)	Tourism and related services - Traditional restaurants - Visual aspects, decoration and services	ISO TC-228 (P)	7/24/2022
9	SSD-II 10(18944)	Information Technology Cloud Computing Taxonomy Based Data Handling for Cloud Services	--	6/7/2022
10	SSD-II 10(18945)	Information Technology Cloud computing Edge computing landscape	--	6/7/2022
11	SSD-II 10(18946)	Information Technology Cloud Computing Common Technologies and Techniques	--	6/7/2022
12	SSD-I 3(19279)	Financial services- Official organizational roles- Scheme for official organizational roles	ISO TC-68 (P); ISO TC-222 (O)	6/4/2022

13	SSD-I 3(19280)	Banking Banking telecommunication messages Business identifier code BIC Second Revision	ISO TC-68 (P); ISO TC-222 (O)	6/4/2022
14	SSD-I 13(18583)	Media and Entertainment – Event Management Services– Vocabulary and Categorization of Events and Venues	ISO TC-68 (P); ISO TC-222 (O)	6/24/2022
https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/108/3/SSD-II				
https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/107/3/SSD-I				

Mobility/Transport (TED)

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

Mobility at Bureau of Indian Standards (BIS)				
Transport Engineering Department (TED)				
S. No.	Document No	Title of the Doc	IEC/ISO	Last date for Comments
1	TED 6(19526)	Automotive Vehicles Fuel Tanks for Two Wheelers Three Wheelers And Quadricycles Amendment - 1	ISO TC- 22 (P); ISO TC- 11 SC- 11 (P); ISO TC- 15 SC- 15 (O); ISO TC- 35 SC- 35 (P); ISO TC- 40 SC- 40 (O); ISO TC- 227 (P)	7/23/2022
2	TED 7(19591)	Tyres Electrical Resistance Test Method for Measuring Electrical Resistance of Tyres on a Test Rig	ISO TC- 22 (P); ISO TC- 19 SC- 19 (O); ISO TC- 31 (P); ISO TC- 3 SC- 3 (P); ISO TC- 34 SC- 34 (P); ISO TC- 5 SC- 5 (O); ISO TC- 6 SC- 6 (O); ISO TC- 7 SC- 7 (O); ISO TC- 9 SC- 9 (P); ISO TC- 10 SC- 10 (P)	7/18/2022
3	TED 7(19592)	Tubeless Tyres Valves and Components Part 1: Test Methods	ISO TC- 22 (P); ISO TC- 19 SC- 19 (O); ISO TC- 31 (P); ISO TC- 3 SC- 3 (P); ISO TC- 34 SC- 34 (P); ISO TC- 5 SC- 5 (O); ISO TC- 6 SC- 6 (O); ISO TC- 7 SC- 7 (O); ISO TC- 9 SC- 9 (P); ISO TC- 10 SC- 10 (P)	7/18/2022

4	TED 7(19593)	TPMS Snap-in Valves Part 1: Identification	ISO TC- 22 (P); ISO TC- 19 SC- 19 (O); ISO TC- 31 (P); ISO TC- 3 SC- 3 (P); ISO TC- 34 SC- 34 (P); ISO TC- 5 SC- 5 (O); ISO TC- 6 SC- 6 (O); ISO TC- 7 SC- 7 (O); ISO TC- 9 SC- 9 (P); ISO TC- 10 SC- 10 (P)	7/18/2022
5	TED 7(19594)	TPMA Snap-in Valves Part 2: Valve Environment	ISO TC- 22 (P); ISO TC- 19 SC- 19 (O); ISO TC- 31 (P); ISO TC- 3 SC- 3 (P); ISO TC- 34 SC- 34 (P); ISO TC- 5 SC- 5 (O); ISO TC- 6 SC- 6 (O); ISO TC- 7 SC- 7 (O); ISO TC- 9 SC- 9 (P); ISO TC- 10 SC- 10 (P)	7/23/2022
6	TED 7(19596)	TPMS Snap-in Valves Part 3: Performances	ISO TC- 22 (P); ISO TC- 19 SC- 19 (O); ISO TC- 31 (P); ISO TC- 3 SC- 3 (P); ISO TC- 34 SC- 34 (P); ISO TC- 5 SC- 5 (O); ISO TC- 6 SC- 6 (O); ISO TC- 7 SC- 7 (O); ISO TC- 9 SC- 9 (P); ISO TC- 10 SC- 10 (P)	7/18/2022
7	TED 2(16879)	Automotive power - Performance requirements Measurement of power sfc opacity of positive and compression ignition engine - Method of test	ISO TC-22 (P); ISO TC-22 SC-34 (P); ISO TC-70 (P); ISO TC-70 SC-7 (P); ISO TC-70 SC-8 (P)	5/20/2022
8	TED 27(18135)	Electric Power Train Vehicles Part 2 Method of Measuring the Range Amendment - 1	ISO TC-22 (P); ISO TC-22 SC-37 (O); IEC TC-69 (O)	5/1/2022
9	TED 27(18136)	Electric Power Train Vehicles Part 3 Measurement of Net Power and the Maximum 30 Minute Power Amendment - 1	ISO TC-22 (P); ISO TC-22 SC-37 (O); IEC TC-69 (O)	5/1/2022
https://www.services.bis.gov.in:8071/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 quarter for eliciting technical comment:

Mobility at Automotive Research Association of India (ARAI)			
S. No.	Code	Title	Last Date for Comments
1	Revised Draft Amd 6 to AIS-137 (Part 3)	Test Method, Testing Equipment and Related Procedures for Type Approval and Conformity of Production (COP) Testing of M and N Category Vehicles having GVW not exceeding 3500 kg for Bharat Stage VI (BS VI) Emission Norms as per CMV Rules 115, 116 and 126	5/17/2022
2	Draft D1/AIS-191	Uniform provisions concerning the approval of vehicles with regards to Automated Lane Keeping System (ALKS) (Last date for comments: 10th June 2022)	6/10/2022
3	Draft AIS-194/DF May 2022	Specific Exemptions for Armoured Vehicles from the notified provisions under the Central Motors Vehicles Rules, 1989	––
4	Draft AIS-181/D2/ May 2022	Approval of Tank Vehicles with regard to Rollover Stability	6/16/2022
5	Draft AIS 193/D1/ May/2022	Automotive Vehicles — Steering effort — method of evaluation	6/17/2022
6	Draft Amd 2 to AIS-160	Safety requirements for construction equipment vehicles	5/31/2022
7	Draft AIS-180/D2/ May 2022	Specific Requirements for Motor Vehicles intended for the carriage of Dangerous and Hazardous Goods with regard to their Constructional Features	6/19/2022
8	Draft AIS-185/D1/ April 2022	Approval of vehicles with regard to the Advanced Emergency Braking System (AEBS) for M1 and N1 vehicles	5/4/2022
9	Draft AIS-182/D1/ April 2022	Approval of vehicles with regard to ISOFIX anchorage systems ISOFIX top tether anchorages and i-Size seating positions	5/5/2022
10	Draft AIS-188/D1/ April 2022	Approval of vehicles with regards to Lane Departure Warning System (LDWS)	5/6/2022
11	Draft AIS-192/D1/ April 2022	Uniform provisions concerning the approval of vehicles with regards to Event Data Recorder (EDR)	5/6/2022
https://www.araiindia.com/downloads			

At Research Designs & Standards Organization (RDSO)

The following Draft Indian Specifications/Drawings were issued by Research Designs & Standards Organization (RDSO) during the last quarter for eliciting technical comment:

SI No.	Specification/STR No.	Description	Last Date of Receipt of Comments
	Mobility at RDSO		
1	BS-S-4.2.3 – 2 Version 4.3	Schedule of Technical Requirements for Fabrication of Steel Girders	20.06.2022
2	Final draft specification no. TI/SPC/PSI/PROTCT/6072	Technical Specification for Control and Relay Panel Including Numerical Type Relays for Traction Transformer, OHE, 25 kV Shunt Capacitor Bank and Transmission Line protection for 25 kV AC TSS on Indian Railways	07.06.2022
3	Modification Sheet no. RDSO/PE/MS/AC/0086-(Rev-0)-2022	Modification sheet for standardization of location of NTC sensors, OHP and ESTI (Fusible link) in LHB RMPU for EOG/HOG AC Coaches	03.06.2022
4	RDSO/2017/CG-01 (Rev.-02)	Hot Coiled Cylindrical Springs for use in suspension of I.R. coaches having FIAT Design Bogies	07.06.2022
5	Final Draft Standard No. RDSO-WD/0001:2022	Indian Railway standard for Lockbolt & Collar (for Railway Transportation Sector in India) (first issue)	06.06.2022
6	RDSO/2010/EL/STR/0044, Rev.'2'	Draft Schedule of Technical Requirement (STR) for Manufacture & Supply of 2X130 kVA Static Converter for Conventional Locomotives	5/18/2022
7	TI/STR/014 Revision 04	Schedule of Technical Requirements for approval of vendors for supply of Traction Power Transformer and Autotransformer	5/7/2022
8	M&C/PCN/054/2020 Rev.-2.0	Schedule of technical requirements for infrastructure. Manufacturing, testing facilities & quality control requirements for Enamel, Interior a) Under Coating and b) Finishing with Fire Retardant Properties	5/11/2022
9	M&C/PCN/053/2020 Rev.-2.0	Schedule of technical requirements for infrastructural, manufacturing, testing facilities & quality control requirements for R/M paint syntheric for the system of intgerior painting of coaches	5/11/2022

10	M&C/PCN/051/2020 Rev.-2.0	Schedule of technical requirements for infrastructural, manufacturing, testing facilities & quality control requirements for R/M paint, Red-oxide (ISC:446), Brushing, Finishing, Glossy for general purpose	5/11/2022
11	M&C/PCN/050/2020 Rev.-2.0	Schedule of technical requirements for infrastructural, manufacturing, testing facilities & quality control requirements for R/M paint synthetic for the system of exterior painting of coaches	5/11/2022
12	M&C/PCN/043/2020 Rev.-2.0	Schedule of technical requirements for infrastructure, manufacturing, testing facilities & quality control requirements of epoxy baded anticorrosion coating (two packs) for painting of coaches, bridges, & wagons as per RDSO spec. no. M&C/PCN/123/218	5/11/2022
13	M&C/PCN/041/2020 Rev.-2.0	Schedule of technical requirements for infrastructure, manufacturing, testing facilities & quality control requirements for exterior painting of wagons	5/11/2022
14	M&C/PCN/040/2020 Rev.-2.0	Schedule of technical requirements for infrastructure, manufacturing, testing facilities & quality control requirements for paints based on epoxy and polyurethane resin for painting of coaches, diesel and electric locomotives	5/11/2022
15	WD-38- MISC-2004 (Rev.-2)	Specificatio n For Polyuretha ne Side Bearers For Use In Freight Stock.	5/17/2022
https://rdso.indianrailways.gov.in/view_section.jsp?lang=0&id=0,4			

ICT at TSDSI

"List of New Item for Proposal at TSDSI"				
S. No.	New Item Proposal	Name	Version	Status
1	NIP 279	A database of icons and terms in Indian languages for financial transactions	TSDSI-SGSS-NIP278-V1.0.0-20220329	Accepted
2	NIP 278	National Language Preference Repository for Indian Mobile Users	TSDSI-SGSS-NIP278-V2.0.0-20220330	Accepted
3	NIP 278	National Language Preference Repository for Indian Mobile Users	TSDSI-SGSS-NIP278-V1.0.0-20220329	Accepted

4	NIP 272	Feasibility of Open-Source for 5G- Applications: RAN Intelligent Controller	TSDSI-SGSS-NIP272-V4.0.0-20220329	Accepted
5	NIP 272	Feasibility of Open-Source for 5G- Applications: RAN Intelligent Controller	TSDSI-SGSS-NIP272-V3.0.0-20220327	Accepted

For complete details of the NIP please click here

"List of Study Item status update"

S. No.	Study Item	Name	Version	**Status**
No major updates				

For complete details of the Study Items please click here

"List of SWIP Status Update"

S. No.	SWIP	Name	Version	Status
1	SWIC784	TR on Study on Edge Intelligence standards for haptics related IIoT use cases	TSDSI-SGSS-SWIC784-V1.0.0-20220327	Accepted
2	SWIC785	Need for PQC in 5G networks	TSDSI-SGSS-SWIC785-V1.0.0-20220327	Accepted
3	SWIC786	KYC norms for machine & custodian verification (SI 77)	TSDSI-SGSS-SWIC786-V1.0.0-20220328	Accepted
4	SWIC787	Rural Broadband Services & Architecture	TSDSI-SGSS-SWIC787-V1.0.0-20220328	Accepted
5	SWIC787	Rural Broadband Services & Architecture	TSDSI-SGSS-SWIC787-V2.0.0-20220329	Accepted

https://tsdsi.in/study-work-items-proposals/16/

ICT at TEC

M2M/IoT				
S. No	Standard/ER No	Name of standard /ER	Standard type	Date of Issue
No updates				
3GPP				
S. No	Standard No	Name of standard	Standard type	Date of Issue
No updates				
Security				
SI No	Standard No	Name of standard	Standard type	Date of Issue
No updates				
Engineering Efficiency				
SI No	Standard No	Name of standard	Standard type	Date of Issue
No updates				
https://www.tec.gov.in/essential-requirements				
https://www.tec.gov.in/standards-specifications				

Indian Rupee

The Indian numeral system is based on the decimal system, with two notable differences from Western systems using long and short scales. The system is ingrained in everyday monetary transactions in the Indian subcontinent.

Indian semantic	International semantic	Indian comma placement	International comma placement
1 hazar	1 thousand	1,000	1,000
10 hazar	10 thousand	10,000	10,000
1 lakh	100 thousand	1,00,000	100,000
10 lakhs	1 million	10,00,000	1,000,000
1 crore	10 million	1,00,00,000	10,000,000
10 crores	100 million	10,00,00,000	100,000,000
100 crores	1 billion	100,00,00,000	1,000,000,000

Conversion applied above at 1 Euro = 80 INR and for more information please click here

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 co-funded 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 of ICT, Automotive, Electronic Appliances including Consumer Electronics and Smart Cities etc.

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