SESEI IV

Seconded European Standardization Expert in India

Newsletter

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CEN - European Committee for Standardization
CENELEC - European Committee for Electro Technical Standardization
ETSI - European Telecommunications Standards Institute

EC - European Commission
EFTA - European Free Trade Association

In this Issue

Greeting from Project SESEI!!!

Dear Readers,

On behalf of Project SESEI and its stakeholders, I pray and wish for safety and good health for all of you. I am hopeful that normalcy will return soon. However, it would be vacuous not to acknowledge the post Covid-19, impacts which the world economy will witness. Covid-19 has already changed the way we work and live. This scenario will further give impetus to more use of technology, innovations, IoT big data and Artificial Intelligence will play a big role in the times to come.

Keeping this in view the Union Commerce and Industry Ministry has decided to extend the Foreign Trade Policy 2015-20 by 31st March 2021 and continue relief under various export promotion schemes. India and EU/EFTA countries recently interacted on crucial issues of IPR, rule of origin, services.

Indian Government is also taking necessary action and planning a new law to safeguard foreign investment by speeding up dispute resolution, aiming to attract more capital from overseas to boost stuttering domestic growth. In a 40-page initial draft, India's finance ministry has proposed appointing a mediator and setting up fast-track courts to settle disputes between investors and the government.

New emerging technologies, Artificial Intelligence, digitization of services and connected society are some of the foremost objectives established by the Government of India under their National Digital Telecom Policy 2019. The ongoing Covid -19 is becoming a key learning in creating a more connected society through digital means and IoT & Machine to Machine are playing a big role. The union cabinet has already approved a budget sanctions for Digital India with a cost of Rs 113,000 crore (14 Billion Euro).

Government think tank "Niti Ayog" is taking proactive measures and has joined hands with Industry association - NASSCOM to launch an AI based Modules implementation for students in Indian schools. The AI based Module has been introduced with an objective to empower students to innovate and create valuable solutions benefiting societies at large. Niti Aayog is also developing a national data and analytics platform (NDAP) to make all government data accessible to stakeholders in a user-friendly manner. The data available on the platform, across sectors should be coherent to support analysis and dissemination. The NDAP will host multiple datasets, present them coherently and provide visualization and analytics tools.

Creation of 5G ecosystem and propagation of the 5G services is a foremost objective for Ministry of Communications. It has agreed to allow all telecom service providers for conducting trials of super-fast speed 5G networks. The roadmap and vision established in the 5G Vision document is with a view that India will no longer be behind the technology curve following the timely launch of fifth-generation or 5G networks.

Under the automotive section, setting up of electric charging stations and electrical vehicles take precedence. Energy Efficiency Services Limited (EESL) which is the world's largest public Energy Service Company is playing an important role. It has ramped up its capital expenditure to set up around 10,000 electric vehicle (EV) charging stations in the next two to three years and also floated a tender to procure 1,000 electric cars with a driving range over 180 km on a pan-India basis. Bureau of Energy Efficiency (BEE) is working towards framing performance criteria and efficiency parameters that can help battery swapping in EVs. It is expected that standards and parameters for EV batteries will soon be finalized to be adhered by all battery manufacturers.

Augmenting the production of smart electricity meters due to growing demand will be met by the Government of India by establishing manufacturing base for smart meters. Government has also announced special fund under the Make in India scheme to strengthen local manufacturing of mobile devices and components. The "Make in India" programme has also awakened government of India and the Indian industry to align with global standards for products and services. The Ministry of Commerce and Industry has said that the quality of the final product cannot be compromised as it is the deciding factor of industry's competitiveness in the Global market.

Many other important and interesting updates and developments have been captured in this third edition of our "SESEI Newsletter Europe", concerning various government initiatives, policies, market updates, policy & regulatory decisions and standards development activities as being carried out in India around our project priority sectors.

I would like to conclude by praying for safety and good health for everyone. Happy Reading

Warm regards,

Dinesh Chand Sharma
Seconded European Standardization Expert in India (SESEI)

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.

Headlines of the Quarter

Standards, TBTs and IPR

Govt brings external hard drive, LED modules, headphones under BIS registration

The government of India notified 12 electronic products, including external hard drive, wireless headphone and earphones, television other than plasma, LCD and LED TV sets, that would require mandatory registration under the Bureau of Indian Standards (BIS) before sale in the country. The government in the notification for "Addition of product categories to the Schedule of the "Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012". Read More

No Imports in 'Others' Category Without HSN Code

No imports will be allowed without HSN code into the country said the Union Minister of Commerce & Industry and Railways. Commerce & Industry Minister said that henceforth there must be zero tolerance for substandard products and services from industry and consumers. Government will support industry in every way to establish standards for Indian goods and services to meet international requirements so that brand India is recognized in the world as a provider of quality products and services. Read More

Budget 2020: All ministries to issue quality standard orders, says Finance Minister

There is a target to formulate technical regulations for about 5,000 products. The Bureau of Indian Standards (BIS) has been tasked to prepare these regulations. India imports about 11,500 goods per year. Union Budget 2020 India: Finance Minister said all ministries will issue quality standards orders during the course of this year. The move would help in promoting sale of quality goods in the country and cut import of sub-standard goods. Read More

India ranks 40th in Global Intellectual Property Index 2020

India has been ranked **40th out of 53 countries** on a global intellectual property index 2020. India was placed at 36th position among 50 countries in 2019. India's score, however, increased from 36.04% (16.22 out of 45) in 2019 to 38.46% (19.23 out of 50) in 2020, a 2.42% jump in an absolute score. The index was released as part of the annual report prepared by the Global Innovation Policy Center (GIPC) of the US Chambers of Commerce. Read more

**Foreign Trade Policy 2015-2020 extended for one year;
Other immediate relief measures also announced**

The Union Commerce and Industry Ministry today announced changes in the Foreign Trade Policy (FTP) of Government of India. The present Policy which came into force on 1st April, 2015, is for 5 years and has validity upto 31st March, 2020. In view of the unprecedented current situation arising out of the pandemic Novel COVID-19, the Govt. has decided to continue relief under various export promotion schemes by granting extension of the existing Foreign Trade Policy by another one year i.e. up to 31st March, 2021. Several other relief measures have also been announced to support trade and industry. Read More

Smart Cities

Centre brings in 20-20 model to improve lagging smart cities

To boost up Smart City Mission, the Government of India devised a 20-20 model according to which top 20 cities will be paired with the bottom 20 cities. The arrangement is made in such a way that it would initiate knowledge sharing among the cities and provide a chance to the laggard cities for adapting best practices from their partner cities. The cities paired will be signing a MoU and the pairs are named as "sister cities". Read More

Smart City Mission: 5,151 projects at various stages of implementation, says Survey

As many as 5,151 projects worth more than Rs 2 lakh crore are being implemented in 100 cities under the government's smart city mission, the Economic Survey highlighted. Talking about achievements of 'Smart Cities Mission' (SCM), the Survey said all 100 cities under the mission have incorporated Special Purpose Vehicles (SPVs), City Level Advisory Forums (CLAFs) and appointed Project Management Consultants (PMCs). Read More

SenRa deploys Low Power Wide Area Network (LoRaWANs) in 60 Cities

SenRa, a PAN India LoRaWAN Network Operator for IoT, announced the successful deployment of their LoRaWAN Network across 60 cities in India. This achievement marks yet another major milestone in their journey of becoming one of the leading IoT network providers in India. SenRa is on track to deploy its public LoRaWAN network in 100 cities by the end of 2020 which will be critical in supporting the massive IoT deployments in Smart Cities led by utilities and energy metering projects. Read More

Government to release report card of 'smart cities' in June 2020

The central government will be releasing a report card of 100 selected smart cities in three categories-ease of living, municipal, performance index and climate-in June, as the government's Smart Cities Project completes five years. The Union Housing and Urban Affairs Ministry said that it will help cities in better planning and moving towards data-driven governance that will eventually improve their liveability. Read More

Automotive

In Phase-II to Fame India Scheme 2636 EV Charging Stations sanctioned

To give a further push to clean mobility in Road Transport Sector, the Department of Heavy Industries has sanctioned 2636 charging stations in 62 cities across 24 States/UTs under FAME India (Faster Adoption and Manufacturing of Electric Vehicles in India) scheme phase II. Minister of Heavy Industries & Public Enterprises said that in future at least one charging station will be available in most of the selected cities in a grid of 4 Km X 4 km. He said it will boost the confidence of users of Electric Vehicles and also encourage the OEMs (Original Equipment Manufacturers) to launch the new electric vehicle models due to the lack of charging infrastructure.

Department of Heavy Industry had invited the Expression of Interest (EoI) from million-plus cities, smart cities, State/UT capitals and cities from special category states for submission of proposal for availing incentives under FAME India Scheme Phase II for deployment of EV charging infrastructure within Cities. Read More

Mercedes to launch first fully-electric vehicle in India in April

German auto giant Mercedes-Benz could become the first luxury carmaker to launch a fully-electric vehicle in India when it commercially launches the EQC, a battery-powered sports utility vehicle (SUV) in April' 20. The five-seater SUV is one of the several new electric vehicles being planned by Mercedes for India. While the EQC will become the flagship model, there are plans to introduce the EQA, a compact EV, in India that could become the base EV for the company. Read More

Over 50% new three-wheelers sold in India will be electrified by 2024: CRISIL

By 2024, as much as 43-48% of new three-wheelers (excluding e-rickshaws), and 12-17 per cent of new two-wheelers sold in India will be electric vehicles (EVs), reveals a study by CRISIL Research. The study looked at demand, supply and policy growth drivers for EVs such as battery costs, government subsidy and charging infrastructure, besides conducting a segment-wise analysis of the cost of acquisition and operation of EVs compared with existing internal combustion engine (ICE) vehicles. Read More

EESL to set up 10,000 EV charging stations in next 3 years

Power PSUs'' joint venture EESL is set to ramp up its capital expenditure to set up around 10,000 electric vehicle (EV) charging stations in the next two to three years. The Energy Efficiency Services Limited (EESL) has undertaken this project to boost the e-mobility ecosystem in India. It has tied up with various private and public companies such as Apollo Hospitals, BSNL, Maha-Metro, BHEL and HPCL, among others, to set up public charging infrastructure. Read More

Energy Efficiency Services Limited (EESL) Set to Procure 1,000 Electric Cars

EESL has floated a tender to procure 1,000 electric cars with a driving range over 180 km on a pan-India basis. EESL has requirements for two different categories of EVs. The scope of work includes designing, manufacturing, supplying, and maintenance of the cars at the required locations in the country. Interested bidders are required to pay an earnest money deposit of ₹21 million (~$294,142) for package-1 and ₹7.06 million (~$98,887) for Package-2. Read More

MoRTH Notifications

- G.S.R. 37(E) regarding mass emission standards for Di Methyl ether and M85 Read more/Download

ICT including services

ICT related notifications/consultation Papers/recommendations/policies and directives, whitepapers

- Ministry of Electronics and Information Technology (MEITY) released a whitepaper on National Open Digital Ecosystems for public comments/inputs. Read more/Download
- Draft Recommendations on Network Testing before Commercial Launch of Services for Wireline Access Services. Read more/Download
- Consultation Paper on Traffic Management Practices (TMPs) and Multi-Stakeholder Body for Net Neutrality. Read more/Download
- Consultation Paper on 'Provision of Cellular backhaul connectivity via Satellite through VSAT under Commercial VSAT CUG Service Authorization'. Read more/Download
- Reforming the Guidelines for Transfer/Merger of Telecom Licenses Read more

Government will give 5G spectrum for trials to all players

India will not bar any equipment suppliers, such as China's Huawei, in the upcoming trials for 5G. Telecom Minister said that the government will allocate airwaves to all telecom service providers for conducting trials of super-fast speed 5G networks. Huawei rivals western equipment makers, such as Ericsson, and is banned in the US. Many countries, however, have allowed telecom service providers to use Chinese gears. And now, India has also indicated its unwillingness to keep any company out of 5G trials. Read More

NITI Aayog, a policy think tank of Government of India, to develop National Data Platform

NITI Aayog will develop a National Data and Analytics Platform (NDAP) to make all government data accessible to stakeholders in a user-friendly manner. Releasing the Vision Document for NDAP, Niti Aayog said that the NDAP will strive to ensure that the data is assured, consistent, coherent and credible. According to the vision document, data across sectors should be coherent to support analysis and dissemination. The NDAP will host multiple datasets, present them coherently and provide visualisation and analytics tools. Read more

Cabinet sanctions Digital India, worth INR 113,000 (14 billion Euro)

The union cabinet has approved sanctions for Digital India, a campaign intended to transform the nation into digital empowered society and knowledge economy, with a cost of Rs 113,000 crore (14 billion Euro). This programme envisaged by Department of Electronics and Information Technology (DeitY), is to impact the ministry of communications & IT, ministry of rural development, ministry of human resource development, ministry of health and others. This programme will also benefit all states and union territories. Read More

National Cyber Security Strategy to go for cabinet nod soon

The draft of National Cyber Security Strategy 2020, that envisages creating a secure cyberspace in India, is ready and will soon be sent to key ministries for comments before seeking the Cabinet approval. The vision of the strategy is to ensure a safe, secure, resilient, trusted and vibrant cyberspace for India's prosperity," National Cyber Security Coordinator said at an event. Now, the draft of National Cyber Security Strategy 2020 will be sent to 2-3 critical ministries and will be put up to cabinet for release to the public. Read More

5G: India will no longer be behind technology curve

India will no longer be behind the technology curve following the timely launch of 5G networks, stated Chairman, Telecom Regulatory Authority of India (TRAI). He stated that "Now, we have come to a stage where technology develops in India first. With 5G, we will no longer remain behind the technology curve". There are challenges like funds scarcity and low fibre backhaul for the deployment of the next gen technology in India. There are less than a third of mobile towers connected to fibre backhaul when compared to China that has more than 80% connected. **Read More**

Government Revamping IT Act, 2000

The government is working on a new Information Technology Act (IT Act) to keep up with the changes sweeping the technology industry, according to IT and telecom minister. The new Act will more robustly cover aspects like cyber security and data privacy, keeping in mind security of users and advent of new technologies. A committee of experts will soon be formed soon to finalize the contours of the new law, he said. The proposed act for protecting data privacy is at the stage of 'The Personal Data Protection Bill, 2018', and is currently in the hands of Joint Parliamentary Committee. Read More

NITI Aayog released its National Block-chain Policy Draft Paper

Indian government policy "think tank" NITI Aayog has released its national blockchain policy draft paper, titled "Blockchain – The India Strategy". The policy explains different use cases of blockchain in the country alongside some conclusions from ongoing pilot projects. The strategy document is aimed at clarifying the concepts surrounding the blockchain technology. Its target stakeholders include enterprise leaders, the government, and citizens of the country.

This first part of the two-part Strategy document deals with fundamental concepts, trust systems, the economic benefit of smart contracts and blockchain, ease of doing business and other ongoing use cases. Part two, which will be released soon, will mainly cover different recommendations for using blockchain in India. Read more/Download

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Electrical Equipment including Consumer Electronics

IEA Launches First In-depth Review of India's Energy Policies

In partnership with NITI Aayog, International Energy Agency (IEA) released the first in-depth review of India's energy policies. The report highlights the achievements of India's energy policies and provides recommendations to support the government's goals of promoting well-functioning energy markets and boosting deployment of renewables. India is becoming increasingly influential in global energy trends. The country's demand for energy is set to double by 2040, and its electricity demand may triple, according to the IEA report. Indian oil consumption is expected to grow faster than that of any other major economy. This makes further improving energy security a key priority for India's economy, says the IEA. Read more/Download

India plans to mandate cyber security measures for power grids

India's electricity grid operators will have to install firewalls and other measures used by companies to avert an attack on their information technology systems and check rising hacking incidents of power networks across the world. Grid operators and regulatory agencies will need to have a continuity plan handy in the event of a cyber-attack, according to draft rules published by the Central Electricity Regulatory Commission. The move is part of an overhaul of the decade-old guidelines. Read more

India needs to set up manufacturing base for smart electricity meters: Parl panel

India needs to establish a manufacturing base of smart electricity meters to ensure adequate supply and should ensure that there are multiple players in the segment, Parliamentary Standing Committee on Energy has said in its latest report. "There is a need to augment the manufacturing base of the smart meters to ensure supply of adequate number of meters to be installed all over the country. It should be ensured that there are multiple players in the field to rule out monopoly," the panel said. Read More

India to sell connected consumer devices worth Rs 3.25 lakh crore in 2020: Report

Connected consumer device market in India is expected to record a 11% growth by selling devices worth Rs 3,24,960 lakh crore (€40.6 bn) in 2020, as per a forecast by research firm TechArc. "Users in India are moving beyond smartphone connectivity and moving to other connected solutions which apart from making them

'smart' substantially increase the utility of such devices," said Founder & Chief Analyst techARC, while releasing the 1st edition of 'India Connected Consumer Report. Read More

Notifications, Guidelines released by Ministry of Power & Ministry of New and Renewable Energy

- MNRE Notification Extension - Solar Photovoltaics, Systems, Devices and Components Goods (Requirements for CR) Order - Self Certification by Manufacturers. Read more/Download
- Clarification regarding approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019. Read more/Download
- Amendment to Guidelines for enlistment under "Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019. Read more/Download
- Requests Solar PV Manufacturers & Solar PV Manufacturer Associations to provide list of machinery / capital goods required for inclusion in BCD exemption list. Read more/Download
- Wind Turbine Models included in the RLMM after declaration of new procedure (i.e 01 November 2018). Read more
- Guidelines for Grid Connected Solar Rooftop Program under SOURA GRUHA YOJANE (SGY) scheme for FY 2019-20. Read more
- Office Memorandum regarding setting up of "Renewable Energy Standardisation Cell' in MNRE Read more/Download

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Manufacturing/Make in India

Announced duty hike to promote 'Make in India

Defending the government proposal to increase duty on various items, Finance Minister said it was not done with a sense of protectionism but to promote Make in India. "If we have raised duty it isn't done with the sense of protectionism. If there are medical devices being made in India, we want to give encouragement under 'Make in India', at least for those we don't want imports flooding the market," Finance Minister said in her post-Budget meeting. Read More

Indian industry has to align with global standards to speed up vision of 'Make in India': Union Minister for Commerce and Industry

Union Minister for Commerce and Industry said that Indian industry has to align with global standards to speed up the vision of Make in India. He said, quality of the final product cannot be compromised as it is the deciding factor of industry's competitiveness. He also added that any country which does not allow equal, reciprocal access to our products and services in their country, government will not allow them to participate in governmental contracts in India. Read More

Government announces special fund to boost local manufacturing of mobile phones

Make in India is set to get a major boost with the introduction of a special fund. During the announcement of Budget 2020, the government announced new measures to strengthen local manufacturing of mobile devices and components. Now, the government is going a step further to promote local manufacturing of mobile devices. It is also focusing on local manufacture of electronic components and semiconductor packaging. The scheme is said to help job creation in the country. Read More

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R&D and Innovation

New policy on Science, Technology & Innovation being framed by Centre

The government is working on a new National Science, Technology and Innovation Policy, to replace the existing policy framed in 2013, which will be forward-looking and have both a vision document as well as an action plan on the fundamental research required in crucial areas such as space, health, atomic physics and bio-technology. The Department of Science & Technology is steering the exercise and will soon initiate stakeholder interaction on what the new policy should include, said Principal Scientific Adviser to the Prime Minister K Vijay Raghavan in an interaction with journalists. Read More

Atal Innovation Mission, NITI Aayog join hands with NASSCOM to roll out Artificial Intelligence Modules in Indian schools

With an imperative to empower the youngest minds of the country with the latest technologies, NITI Aayog, Atal Innovation Mission (AIM) in collaboration with the National Association of Software and Services Companies (NASSCOM) today launched an AI based Module rolled out for students in Indian schools. The AI-Base Module has been introduced with an objective for students to leverage the full potential of AIM's Atal Tinkering Lab (ATL) and further empowers them to innovate and create valuable solutions benefiting societies at large. The module contains activities, videos and experiments that enable students to work through and learn the various concepts of AI. Read More

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Energy Efficiency-Environment

Power ministry launches portal to track states' energy efficiency performance

The Bureau of Energy Efficiency (BEE) under the aegies of the power ministry today released the State Energy Efficiency Index 2019, a portal that will track the progress of energy efficiency initiatives in all the states and union territories based on 97 indicators. The Index launched by power minister will help states contribute towards national goals on energy security and climate action by helping drive energy efficiency policies and program implementation at the state and local level, according to a statement. Read More

Efficiency parameters soon to aid Electric Vehicle (EV) battery swapping

The government will soon frame efficiency parameters for batteries powering EVs as it invites bids for setting up gigafactories or giant battery plants in India. A high-level panel has been set up under the Bureau of Energy Efficiency to frame performance criteria and efficiency parameters that can help battery swapping in EVs. Battery swapping will allow consumers to replace depleted batteries with fully charged ones. This can only happen once standards and parameters are in place and adhered to by all battery manufacturers. Read More

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EU-India/Trade-FTA/Investments

- **Indo-German Working Group on Quality Infrastructure strengthens trade through cooperation on safe and secure products:** Germany and India established the Working Group in 2013 to strengthen their economic and technical cooperation, reduce technical barriers to trade, and increase product safety. The German Federal Ministry for Economic Affairs & Energy (BMWi) and the Indian Ministry of Consumer Affairs, Food & Public Distribution in collaboration with other Ministries are working closely together on standardisation, accreditation, conformity assessment, metrology, product safety & market surveillance. Read more

- Cabinet approves Updating European Union Alternative Investment Fund Managers Directive (AIFMD) MoU signed between SEBI and Financial Conduct Authority (FCA), United Kingdom. Read More

India speeding up FTA talks with Switzerland, Norway, Iceland

India and EFTA countries recently interacted on crucial issues of IPR, rule of origin, services. India is making efforts to speed up free trade negotiations with the EFTA countries in parallel with its discussions with the EU on a similar pact. India's focus on putting the stalled free trade talks, officially called the broad-based trade and investment agreement (BTIA), with both the EFTA and the EU back on track assumes greater importance given the fact that the country walked out of the ASEAN-led Regional Comprehensive Economic Partnership (RCEP) involving 16 countries in November 2019. Read More

India-EU Partnership on Energy Research in RE and Smart Grids

India-European Union (EU) Flagship Call on Integrated Local Energy Systems was announced at India Smart Utility Week 2020. This partnership between Indian and the EU will help in Clean Energy and Climate, this partnership will foresee strengthened cooperation in energy research and innovation, mainly in renewable energy and its integration in the energy system. The collaboration can make energy supply cleaner, more efficient and affordable to all. This Indo-EU flagship call is fully in line with both the European Union's and India's involvement in Mission Innovation (MI). Read More

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Invest India

Denmark's energy major Danfoss to increase investments in India

Danish energy efficiency manufacturer Danfoss A/S' $3.3 billion global acquisition of power management company Eaton's hydraulics division is expected to conclude by the end of this year, said a top official of Danfoss India. Danfoss India will be investing Rs 25 crore (3.1 million euro) in expanding production here and targets to close 2020 with a turnover of Rs 2,000 crore (250 million euro). The 6.3 billion euro turnover Danfoss business segments are classified under power solutions, cooling, drives and heating and it supplies components and systems for original equipment manufacturers. Read More

Government plans new law to protect foreign investment

India is planning a new law to safeguard foreign investment by speeding up dispute resolution, aiming to attract more capital from overseas to boost stuttering domestic growth, two officials with direct knowledge of the matter told Reuters. In a 40-page initial draft, India's finance ministry has proposed appointing a

mediator and setting up fast-track courts to settle disputes between investors and the government. The draft proposal is aimed at diffusing investor mistrust around the sanctity of agreements, which has worsened recently. Read More

Event calendar 2020

Manufacturing IT Leaders Summit
When: 30 April, 2020
Where: Mumbai, India
Manufacturing IT Leaders Summit brings together manufacturing IT decision-makers and keeps them at the forefront of manufacturing digital transformation. For more information please click here

International Conference on Information, Communication & Computing Technology
When: 09 May, 2020
Where: New Delhi, India
The International Conference on Information, Communication and Computing Technology conference will cover areas like Cloud Computing, Communications and Network systems, Data Mining and big analytics and many more. For more information please click here

World Blockchain Conclave
When: 18-19 June, 2020
Where: Bengaluru, India
World Blockchain Conclave will explore the industries that are set to be disrupted the most by this new technology. It connects global blockchain gurus and technology players in this space including emerging startups with regional businesses, governments, and IT leaders from across key industry verticals. For more information please click here

AI and Blockchain Summit
When: 08 July, 2020
Where: New Delhi, India
AI and Blockchain Summit will host a full-day summit to explore the convergence of Artificial Intelligence, Machine Learning, and Blockchain at one place. Both AI and blockchain involve technical complexity and there seems to be a sense of agreement among experts that these technologies will have serious business implications in the next five to ten years. For more information please click here

ELECXPO (Electrical Electronics power Expo)
When: 26-28 June, 2020
Where: Chennai, India
ELECXPO is the prominent b2b platform for Electrical, Electronics & Power Industries. ELECXPO, with its uniqueness, gathering the most relevant b2b industries mentioned above in a single platform. It will provide the latest trends and innovations in products and technologies to meet the complete need of all industries & end users. For more information please click here

Smart Cities India Expo
When: 07-09 July, 2020
Where: New Delhi, India

The Smart Cities India Expo is design to bring together the city leaders and representatives from international organizations, academic institutions, and private companies, aiming at establishing a knowledge hub for Smart Cities. For more information please [click here](#)

Floating Solar Energy Forum
When: 07 May, 2020
Where: New Delhi, India
Floating Solar Energy Forum will lay down the roadmap for the progress of the floating solar energy sector. It will provide in depth insights of the industry, challenges industry is facing, information about the various potential sites & tenders … For more information please [click here](#)

Conference on Power Transmission in India
When: 21-22 July, India
Where: Gurugram, India
The Conference on Power Transmission in India aims to discuss the trends and developments and highlight the future plans and opportunities in the Indian power transmission sector. The conference will highlight some of the new and emerging challenges in the sector…. For more information, please [click here](#)

India Utility Solar Week
When: 09-10 July, 2020
Where: New Delhi, India
India Utility Solar Week will focus on the individual roles played by all the parties in the solar sector viz various OEM's, EPC players, Developers, Financial Institutions etc. and will focus on the latest trends in the technology, performance and business scenarios shaping the future of the industry. For more information, please [click here](#)

Intelligent Automation India
When: 05 July, 2020
Where: Bengaluru, India
Intelligent Automation India 2020 – a modest IA marketplace which will strive to get the latest movers and shakers within the IA industry and global tech leaders face to face with a variety of end-user industry professionals from leading sectors…For more information please [click here](#)

Blockchain Day
When: 17 June, 2020
Where: Mumbai, India
Blockchain Day is starting to encourage a direct value exchange over the internet. It is slowly moving towards mainstream adoption and removing the friction in the exchange of value over the internet. It is fast approaching an inflection point where enterprise and greater mainstream adoption will ensue. For more information please [click here](#)

Annual IoT, AI & Blockchain Summit
When: 02 July, 2020
Where: Bengaluru, India
Annual IoT AI & Blockchain Summit provides networking opportunities in the telecom, infrastructure and pharmaceutical industry. It aims to provide a platform to share knowledge and insights and provide our event attendees to network effectively and deliver maximum ROI by making new business alliances. For more information please [click here](#)

Internet of Things India expo 2020
When: 07-09 July, India
Where: New Delhi, India
The Internet of Things India Expo is one of the biggest and most valuable platform for the Internet of Things in India. A high profile networking event between the who's who of the IoT Industry in India. For more information please click here

14th edition of India IoT symposium
When: 24th June, 2020
Where: Bengaluru, India
The India IoT Symposium is undoubtedly the best place to be at. Get the latest news, innovations, connections and inspiration on how the Internet of Things is changing everything! Over 200 of the leading IoT end-user experts and decision makers will gather to define and discuss the current & future of IoT in almost every sector. For more information please click here

Green Vehicle Expo 2020
When: 26-28 June, 2020
Where: Bengaluru, India
Green Vehicle Expo 2020 is an international exhibition and trade fair on green vehicles, components, spare parts, technology & allied industry. The Green Vehicle Expo aims to be instrumental in providing an apt platform to the industry players and OEMs to explore the market potential for their products in India. For more information 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:

At Bureau of Indian Standards (BIS)			
Electro-technical (ETD)			
Sl No	Document No	Title of the Doc	IEC/ISO
1	ETD 42 (15047)	Wind energy generation systems - Part 25-71: Communications for monitoring and control of wind power plants - Configuration description language	IEC TC- 88 (P)
2	ETD 43 (15314)	Determination of certain substances in electrotechnical products: Part 4 mercury in polymers, metals and electronics by cv - Aas, cv - Afs, icp - Oes and icp - Ms Amendment - 1	IEC TC-111 (P)

3	ETD 9 (15371)	Specification for Thermosetting Insulated Fire Survival Cables for Fixed Installation having Low Emission of Smoke and Corrosive Gases when Affected by Fire for Working Voltages upto and including 1100 Vac and 1500 Vdc	IEC TC-20 (P)
4	ETD 43 (15472)	Technical Documentation for the Assessment of Electrical and Electronic Products with respect to the Restriction of Hazardous Substances	IEC TC-111 (P)
5	ETD 28 (15509)	Terrestrial photovoltaic (PV) modules - Design qualification and type approval: Part 2 test procedures (Second Revision) Amendment - 1	IEC TC-82 (P)
6	ETD 28 (15510)	Photovoltaic System Performance Part 3 Energy Evaluation Method Amendment - 1	IEC TC-82 (P)
7	ETD 28 (15511)	Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance: Part 1 grid connected systems - Documentation, commissioning tests and inspection Amendment – 1	IEC TC-82 (P)
8	ETD 28 (15512)	Photovoltaic (PV) Modules- Ammonia Corrosion Testing Amendment – 1	IEC TC-82 (P)
9	ETD 14 (15514)	Specification for flexible steel conduits for electrical wiring Amendment – 2	IEC TC- (O); IEC TC- 23A SC- 23A (O); IEC TC- 23B SC- 23B (P); IEC TC- 23E SC- 23E (P); IEC TC- 23G SC- 23G (O); IEC TC- 23H SC- 23H (O); IEC TC- 23J SC- 23J (O); IEC TC- 34B SC- 34B (P):
10	ETD 14 (15527)	SWITCHES FOR HOUSEHOLD AND SIMILAR FIXED ELECTRICAL INSTALLATIONS PART 2 PARTICULAR REQUIREMENTS SECTION 5 SWITCHES AND RELATED ACCESSORIES FOR USE IN HOME AND BUILDING ELECTRONIC SYSTEMS HBES	IEC TC- (O); IEC TC- 23A SC- 23A (O); IEC TC- 23B SC- 23B (P); IEC TC- 23E SC- 23E (P); IEC TC- 23G SC- 23G (O); IEC TC- 23H SC- 23H (O); IEC TC- 23J SC- 23J (O); IEC TC- 34B SC- 34B (P):

11	ETD 14 (15528)	Switches for appliances: Part 1 general requirements First revision	IEC TC- (O); IEC TC- 23A SC- 23A (O); IEC TC- 23B SC- 23B (P); IEC TC- 23E SC- 23E (P); IEC TC- 23G SC- 23G (O); IEC TC- 23H SC- 23H (O); IEC TC- 23J SC- 23J (O); IEC TC- 34B SC- 34B (P):
12	ETD 14 (15529)	SWITCHES FOR APPLIANCES PART 1 GENERAL REQUIREMENTS SECTION 1 PARTICULAR REQUIREMENTS FOR MECHANICAL SWITCHES	IEC TC- (O); IEC TC- 23A SC- 23A (O); IEC TC- 23B SC- 23B (P); IEC TC- 23E SC- 23E (P); IEC TC- 23G SC- 23G (O); IEC TC- 23H SC- 23H (O); IEC TC- 23J SC- 23J (O); IEC TC- 34B SC- 34B (P):
13	ETD 14 (15530)	SWITCHES FOR APPLIANCES PART 1 GENERAL REQUIREMENTS SECTION 2 PARTICULAR REQUIREMENTS FOR ELECTRONICS SWITCHES	IEC TC- (O); IEC TC- 23A SC- 23A (O); IEC TC- 23B SC- 23B (P); IEC TC- 23E SC- 23E (P); IEC TC- 23G SC- 23G (O); IEC TC- 23H SC- 23H (O); IEC TC- 23J SC- 23J (O); IEC TC- 34B SC- 34B (P):
14	ETD 14 (15533)	Cable management systems - Cable ties for electrical installations	IEC TC- (O); IEC TC- 23A SC- 23A (O); IEC TC- 23B SC- 23B (P); IEC TC- 23E SC- 23E (P); IEC TC- 23G SC- 23G (O); IEC TC- 23H SC- 23H (O); IEC TC- 23J SC- 23J (O); IEC TC- 34B SC- 34B (P):
15	ETD 25 (15372)	Fire-resistance tests : Part 2 Lift landing door assemblies	ISO TC- 178 (P)
16	ETD 13 (11671)	ac STATIC TRANSFORMER OPERATED WATTHOUR METERS CLASS 02 S AND 05 S AND VAR-HOUR METERS CLASS 02 S 05 S AND 10 S - SPECIFICATION First Revision	IEC TC-13 (P)
17	ETD 29 (13223)	SERIES CAPACITORS FOR POWER SYSTEMS PART 1 : GENERAL First Revision	IEC TC-33 (P)

18	ETD 29 (13225)	SERIES CAPACITORS FOR POWER SYSTEMS PART 3: INTERNAL FUSES First Revision	IEC TC-33 (P)
19	ETD 29 (13230)	COUPLING CAPACITORS AND CAPACITOR DIVIDERS PART 2 AC OR DC SINGLE-PHASE COUPLING CAPACITOR CONNECTED BETWEEN LINE AND GROUND FOR POWER LINE CARRIER-FREQUENCY PLC APPLICATION	IEC TC-33 (P)
20	ETD 29 (13234)	COUPLING CAPACITORS AND CAPACITOR DIVIDERS PART 1 GENERAL RULES	IEC TC-33 (P)
21	ETD 28 (14750)	Primary optics for concentrator photovoltaic systems	IEC TC-82 (P)
22	ETD 28 (14751)	Concentrator photovoltaic CPV modules - Thermal cycling test to differentiate increased thermal fatigue durability	IEC TC-82 (P)
23	ETD 28 (14757)	Photovoltaic PV modules - Type approval design and safety qualification - Retesting	IEC TC-82 (P)
24	ETD 28 (14758)	Photovoltaic concentrator cell documentation	IEC TC-82 (P)
25	ETD 28 (14759)	Measurement procedures for materials used in photovoltaic modules - Part 7: Environmental exposures - Sec 2 : Accelerated weathering tests of polymeric materials	IEC TC-82 (P)
26	ETD 28 (14760)	Measurement procedures for materials used in photovoltaic modules -Part 2: Polymeric materials - Frontsheets and backsheets	IEC TC-82 (P)
27	ETD 28 (14799)	Ground-mounted photovoltaic power plants - Design guidelines and recommendations	IEC TC-82 (P)
28	ETD 28 (14800)	Photovoltaic PV modules - Cyclic dynamic mechanical load testing	IEC TC-82 (P)
29	ETD 29 (15105)	SERIES CAPACITORS FOR POWER SYSTEMS PART 2: PROTECTIVE EQUIPMENT FOR SERIES CAPACITOR BANKS	IEC TC-33 (P)
30	ETD 29 (15122)	Specification for capacitors for inductive heat generating plants operating at frequencies between 40 and 24 000 HZ	IEC TC-33 (P)
31	ETD 29 (15123)	POWER CAPACITORS FOR INDUCTION HEATING INSTALLATIONS PART 2 : AGEING TEST DESTRUCTION TEST AND REQUIREMENTS FOR DISCONNECTING INTERNAL FUSES	IEC TC-33 (P)
32	ETD 29 (15124)	SERIES CAPACITORS FOR POWER SYSTEMS PART 4: THYRISTOR CONTROLLED SERIES CAPACITORS	IEC TC-33 (P)
33	ETD 29 (15137)	CAPACITORS FOR POWER ELECTRONICS	IEC TC-33 (P)

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(ICT)			
Sl No	Document No	Title of the Doc	IEC/ISO
1	LTD 28 (13502)	Information Technology - Unified Digital Infrastructure - Unified Last Mile Communication Protocols Stack - Reference Architecture (UDI – ULMCPS - RA)	IEC TC-SyC SC- (P); IEC TC-SEG 9 (P); ISO/IEC TC-JTC 1 SC-WG 11 (P)
2	LTD 28 (13503)	Information Technology - Unified Digital Infrastructure - Unified Last Mile Communication Protocols Stack - Network Access Layer (Sub Giga Hz)	IEC TC-SyC SC- (P); IEC TC-SEG 9 (P); ISO/IEC TC-JTC 1 SC-WG 11 (P)
3	LTD 14 (13806)	Software and Systems Engineering – Part 1 Core Agile Practices	ISO/IEC/JTC1 TC- 7 SC- 7 (P); ISO/IEC/JTC1 TC- 38 SC- 38 (P); ISO/IEC/JTC1 TC- 40 SC- 40 (P)
4	LTD 12 (15108)	Code of practice for installation of single and community antenna systems for reception of sound and telewsion broadcasting Amendment – 1	IEC TC- 103 (O)
5	LTD 23 (15475)	Information technology - Coding of audio - Visual objects: Part 22 open font format	ISO/IEC/JTC1 TC- 24 SC- 24 (O); ISO/IEC/JTC1 TC-SC 29 SC- (P)
6	LTD 12 (13157)	Radio Communications: transmitters receivers networks and operation	IEC TC- 103 (O)
7	LTD 16 (15296)	Information technology Automatic identification and data capture techniques QR Code bar code symbology specification	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P);
8	LTD 4 (15302)	Organic Light Emitting Diode OLED displays- Part 1-2: Terminology and letter symbols	IEC TC- 110 (P)

9	LTD 4 (15303)	Organic Light Emitting Diode OLED displays- Part 2-1: Essential ratings and characteristics of OLED display modules	IEC TC- 110 (P)
10	LTD 4 (15304)	Organic Light Emitting Diode OLED displays- Part 5: Environmental testing methods	IEC TC- 110 (P)
11	LTD 4 (15305)	Organic Light Emitting Diode OLED displays- Part 5-2: Mechanical endurance testing methods	IEC TC- 110 (P)
12	LTD 4 (15306)	Organic Light Emitting Diode OLED displays- Part 5-3: Measuring methods of image sticking and lifetime	IEC TC- 110 (P)
13	LTD 4 (15307)	Organic Light Emitting Diode OLED displays- Part 6-1: Measuring methods of optical and electro-optical parameters	IEC TC- 110 (P)
14	LTD 4 (15308)	Organic Light Emitting Diode OLED displays Part 6-2: Measuring methods of visual quality and ambient performance	IEC TC- 110 (P)
15	LTD 4 (15309)	Organic Light Emitting Diode OLED displays- Part 6-3: Measuring methods of image quality	IEC TC- 110 (P)
16	LTD 4 (15310)	Organic light emitting diode OLED displays - Part 6-4: Measuring methods of transparent properties	IEC TC- 110 (P)
17	LTD 17 (12162)	DATA PRIVACY ASSURANCE: Part 1 ENGINEERING AND MANAGEMENT REQUIREMENTS	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P)
18	LTD 17 (12163)	DATA PRIVACY ASSURANCE: Part 2 ENGINEERING AND MANAGEMENT GUIDELINES	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P)
19	LTD 7 (14844)	AudioVideo Information and Communication Technology Equipment Part 1: Safety Requirements First Revision	IEC TC- 100 (P); IEC TC- 108 SC- (P); IEC TC- 29 SC- (P); IEC TC- 1 SC- 1 (O)
20	LTD 17 (15068)	Information technology - Security techniques - Key management: Part 2 mechanisms using symmetric techniques	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P)

21	LTD 17 (15069)	Information Technology Security Techniques Guidelines for Auditors on Information Security Controls	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P)
22	LTD 17 (15070)	Information Technology - Security Techniques - Code of Practice for Protection of Personally Identifiable Information Pll in Public Clouds Acting as Pll Processors	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P)
23	LTD 17 (15071)	Information technology -- Security techniques -- Privacy architecture framework	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P)
24	LTD 32 (15072)	Information technology - Conformance testing methodology for biometric data interchange formats defined in ISOIEC 19794: Part 5 face image data	ISO/IEC TC-JTC 1 SC-37 (P)
25	LTD 17 (15075)	Information technology - Security techniques - Application Security: Part 1 overview and concepts Amendment – 1	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P)
26	LTD 17 (15076)	Information Technology - Security Techniques - Privacy Framework Amendment – 1	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P)
27	LTD 17 (15078)	Information technology - Security techniques - digital signatures with appendix: Part 2 integer factorization based mechanisms Amendment – 1	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P)
28	LTD 17 (15079)	Information technologies - Security techniques - Information Security management systems - Requirements (First Revision) Amendment – 1	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P)
29	LTD 32 (15080)	Information Technology - Conformance testing Methodology for Biometric Data Interchange Formats Defined in ISO/IEC 19794 Part 1 Generalized Conformance Testing Methodology Amendment - 1	ISO/IEC TC-JTC 1 SC-37 (P)

30	LTD 32 (15081)	Information technology - Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794: Part 4 finger image data Amendment – 1	ISO/IEC TC-JTC 1 SC-37 (P)
31	LTD 14 (15116)	Information technology IT asset management Part 1:IT asset management systems Requirements	ISO/IEC/JTC1 TC- 7 SC- 7 (P); ISO/IEC/JTC1 TC- 38 SC- 38 (P); ISO/IEC/JTC1 TC- 40 SC- 40 (P)
32	LTD 14 (15117)	Systems and software engineering - System life cycle processes	ISO/IEC/JTC1 TC- 7 SC- 7 (P); ISO/IEC/JTC1 TC- 38 SC- 38 (P); ISO/IEC/JTC1 TC- 40 SC- 40 (P)
33	LTD 14 (15118)	Systems and software engineering - Software life cycle processes	ISO/IEC/JTC1 TC- 7 SC- 7 (P); ISO/IEC/JTC1 TC- 38 SC- 38 (P); ISO/IEC/JTC1 TC- 40 SC- 40 (P)
34	LTD 14 (15119)	Systems and software engineering Requirements for designers and developers of user documentation	ISO/IEC/JTC1 TC- 7 SC- 7 (P); ISO/IEC/JTC1 TC- 38 SC- 38 (P); ISO/IEC/JTC1 TC- 40 SC- 40 (P)
35	LTD 14 (15120)	Information technology Open Systems Interconnection Service definition for the Application Service Object Association Control Service Element	ISO/IEC/JTC1 TC- 7 SC- 7 (P); ISO/IEC/JTC1 TC- 38 SC- 38 (P); ISO/IEC/JTC1 TC- 40 SC- 40 (P)
36	LTD 14 (15139)	Information technology Open Systems Interconnection Connection-mode protocol for the Application Service Object Association Control Service Element	ISO/IEC/JTC1 TC- 7 SC- 7 (P); ISO/IEC/JTC1 TC- 38 SC- 38 (P); ISO/IEC/JTC1 TC- 40 SC- 40 (P):
37	LTD 14 (15140)	Software engineering Guidelines for the application of ISO 9001:2015 to computer software	ISO/IEC/JTC1 TC- 7 SC- 7 (P); ISO/IEC/JTC1 TC- 38 SC- 38 (P); ISO/IEC/JTC1 TC- 40 SC- 40 (P)

38	LTD 14 (15141)	Information technology Service management Part 1:Service management system requirements	ISO/IEC/JTC1 TC- 7 SC- 7 (P); ISO/IEC/JTC1 TC- 38 SC- 38 (P); ISO/IEC/JTC1 TC- 40 SC- 40 (P)
39	LTD 3 (15177)	Mechanical structures for electronic equipment Dimensions of mechanical structures of the 4826 mm 19 in series Part 3-101: Subracks and associated plug-in units	IEC TC- 48 (P); IEC TC- 48B SC- 48B (O); IEC TC- 48D SC- 48D (O)
40	LTD 3 (15178)	Mechanical structures for electronic equipment Dimensions of mechanical structures of the 4826 mm 19 in series Part 3-100: Basic dimensions of front panels subracks chassis racks and cabinets	IEC TC- 48 (P); IEC TC- 48B SC- 48B (O); IEC TC- 48D SC- 48D (O)
41	LTD 3 (15179)	Connectors for frequencies below 3 MHz Part 9: Circular connectors for radio and associated sound equipment	IEC TC- 48 (P); IEC TC- 48B SC- 48B (O); IEC TC- 48D SC- 48D (O)
42	LTD 3 (15180)	Electromechanical switches for use in electrical and electronic equipment Part 1: Generic specification	IEC TC- 48 (P); IEC TC- 48B SC- 48B (O); IEC TC- 48D SC- 48D (O)
43	LTD 3 (15201)	Radio-frequency connectors Part 2: Sectional specification Radio frequency coaxial connectors of type 952	IEC TC- 48 (P); IEC TC- 48B SC- 48B (O); IEC TC- 48D SC- 48D (O)
44	LTD 3 (15202)	Radio-frequency connectors Part 24: Sectional specification Radio frequency coaxial connectors with screw coupling typically for use in 75 cable networks type F	IEC TC- 48 (P); IEC TC- 48B SC- 48B (O); IEC TC- 48D SC- 48D (O)

Transport (TED)

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

Transport Engineering
Sl No	Document No	Title of the Doc	IEC/ISO
1	TED 4 (15487)	Road vehicles Endurance braking systems of motor vehicles and towed vehicles Test procedures	SO TC- 2 SC- 2 (O); ISO TC- 9 SC- 9 (O); ISO TC- 13 SC- 13 (O); ISO TC- 22 SC- 22 (P); ISO TC- 23 SC- 23 (O); ISO TC- 33 SC- 33 (O); ISO TC- 38 SC- 38 (P); ISO TC- 39 SC- 39 (O); ISO TC- 22
2	TED 28 (14905)	Automotive Tracking Device (ATD) and Integrated Systems Amendment – 2	ISO TC- 204 (P); ISO TC- 241 (P)
3	TED 7 (15257)	Automotive vehicle - All rubber flaps for pneumatic tyres - Specification (Second Revision) Amendment - 1	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);

Smart City/CED

The following Draft Indian Standards were issued by Civi Engineering Division Council (CED) at BIS during the last quarter for eliciting technical comments:

Civil Engineering
S. No.	Document No	Title of the Doc	IEC/ISO
1	CED 59 (15244)	Sustainable development of habitats - Vocabulary	ISO TC- 268 (P); ISO TC- 1 SC- 1 (P)
2	CED 59 (15246)	Smart Community Infrastructure-Guidance on Smart Transportation for allocation of parking lots in cities	ISO TC- 268 (P); ISO TC- 1 SC- 1 (P)
3	CED 59 (15247)	Smart Community Infrastructure- Best Practices for transportation-Guidelines	ISO TC- 268 (P); ISO TC- 1 SC- 1 (P)

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:

S.No.	Code	Title
	At Automotive Research Association of India (ARAI)	
1	Draft AIS-158/DF March 2020	Code of Practice for Type Approval of Modular Hydraulic Trailers towed by Puller Tractor of Category N3
2	Draft AIS-161/DF	Procedure For Accreditation Of Testing Agencies For Notification Under Rule 126 Of CMVR
3	Draft AIS-160/DF	Safety requirements for construction equipment vehicles
4	Draft AIS-088 (Rev 1)/DF	Performance Requirements of Rear Marking Plates (Rear Warning Triangles) for Automotive Vehicles, Agricultural Tractors their Trailers and Semi-Trailers
5	Draft AIS-156/ DF	Specific Requirements for L Category Electric Power Train Vehicles
6	Draft AIS-038 (Rev 2)	Specific Requirements for Electric Power Train of Vehicles
7	AIS-024 and AIS-028 (Rev 1) (Part B)	Safety And Procedural Requirements for Type Approval of Gaseous Fuel Vehicles - Tractor Application and Code Of Practice For Use Of Gaseous Fuels In Internal Combustion Engine Vehicles - Tractor Application
8	Draft AIS-166/D3/January 2020	Automotive Vehicles – Protective Devices for Two Wheeled Motor Vehicles – Requirements
9	AIS-012 (Part 1) (Rev.2) / D3 Jan 2020	Performance Requirements for Front Fog Lamps for Motor Vehicles
10	AIS-012 (Part 3) (Rev.2) / D3 Jan 2020	Performance Requirements for Cornering Lamps for Motor Vehicles
11	AIS-012 (Part 5) (Rev.2) / D3 Jan 2020	Performance Requirements for Direction Indicators for Motor Vehicles
12	AIS-012 (Part 6) (Rev.2) / D3 Jan 2020	Performance Requirements for Front and Rear Position (Side) Lamps, Stop-Lamps and End-outline Marker Lamps for Motor Vehicles
13	AIS-012 (Part 7) (Rev.2) / D3 Jan 2020	Performance Requirements for Reversing Lamps & Manoeuvring Lamps for Motor Vehicles
14	AIS-012 (Part 10) (Rev.2) / D3 Jan 2020	Performance Requirements for Daytime Running Lamps for Motor Vehicles

15	Draft AIS-157/D1 Jan.2020	Safety and Procedural Requirements for Type Approval of Compressed Gaseous Hydrogen Fuel Cell Vehicles

ICT at TSDSI

List of New Item for Proposal (NIP), Study Items (SI) and SWIP at TSDSI:

Activities at TSDSI				
"List of New Item for Proposal at TSDSI"				
S. No.	New Item Proposal	Name	Version	Status
1	NIP 235	6G Radio Access Networks	TSDSI-SGN-NIP235-V1.0.0-20200306	Accepted
2	NIP 234	CSI Enhancements for 5G NR and Future Networks	TSDSI-SGN-NIP234-V1.0.0-20200305	Accepted
3	NIP 230	Smart IoT Communication : Context Specific Data Pruning in Smart IoT Applications	TSDSI-SGSS-NIP230-V1.2.0-20200305	Accepted
4	NIP 233	Study Item on Rural Broadband Architecture	TSDSI-SGSS-NIP233-V1.1.0-20200305	Accepted
5	NIP 233	Study Item on Rural Broadband Architecture	TSDSI-SGSS-NIP233-V1.0.0-20200304	Accepted
6	NIP 228	Reducing Threat Using DNS	TSDSI-SGSS-NIP228-V2.0.0-20200304	Accepted
7	NIP 226	Broadcast Offload	TSDSI-SGN-NIP226-V1.2.0-20200304	Accepted
8	NIP 231	Support for Multi-SIM (MUSIM) devices	TSDSI-SGN-NIP231-V1.0.0-20200303	Accepted
9	NIP 230	Smart IoT Communication : Context Specific Data Pruning in Smart IoT Applications	TSDSI-SGSS-NIP230-V1.1.0-20200302	Accepted
10	NIP 230	Smart IoT Communication : Context Specific Data Pruning in Smart IoT Applications	TSDSI-SGSS-NIP230-V1.0.0-20200227	Accepted
11	NIP 229	Study and develop Dynamic Spectrum Access architecture for cognitive use of DTV and other licensed bands for communication without restriction of static protection contours	TSDSI-SGN-NIP229-V1.0.0-20200225	Accepted
For complete details of the NIP please click here				
"List of Study Item status update"				
S. No.	Work Item	Name	Version	Status
1	SI69	Study Item on Rural Broadband Architecture	TSDSI-SGSS-SI69-V1.0.0-20200327	Initiated

| 2 | SI68 | Reducing Threat Using DNS | TSDSI-SGSS-SI68-V1.0.0-20200327 | Initiated |

For complete details of the Study Items please click here

"List of SWIP Status Update"

S. No.	SWIP	Name	Version	Status
1	SWIP647	Enhancement of flexible UL/DL resource utilization in IAB	TSDSI-SGN-SWIP647-V1.0.0-20200302	Accepted
2	SWIP648	Enhancement of flexible UL/DL resource utilization in Release 17	TSDSI-SGN-SWIP648-V1.0.0-20200302	Accepted
3	SWIP649	CR for 38.331	TSDSI-SGN-SWIP649-V1.0.0-20200302	Accepted
4	SWIP640	Reply to Response by TSDSI fork proponents_Airtel_round_2_ver7 3	TSDSI-SGN-SWIP640-V2.0.0-20200304	Accepted
5	SWIP650	Introduction of Indian Satellite System NAVIC in GERAN. (CR for TS 49.031)	TSDSI-SGN-SWIP650-V1.0.0-20200304	Accepted
6	SWIP651	Introduction of Indian Satellite System NAVIC in UMTS (CR for TS 25.305)	TSDSI-SGN-SWIP651-V1.1.0-20200304	Accepted
7	SWIP652	Introduction of Indian Satellite System NAVIC in UMTS. (CR for TS 25.306)	TSDSI-SGN-SWIP652-V1.1.0-20200304	Accepted
8	SWIP653	Introduction of Indian Satellite System NAVIC in UMTS. (CR for TS 25.331)	TSDSI-SGN-SWIP653-V1.1.0-20200304	Accepted
9	SWIP654	Introduction of Indian Satellite System NAVIC in UMTS. (CR for TS 25.413)	TSDSI-SGN-SWIP654-V1.1.0-20200304	Accepted
10	SWIP655	Introduction of Indian Satellite System NAVIC in UMTS. (CR for TS 25.423)	TSDSI-SGN-SWIP655-V1.1.0-20200304	Accepted
11	SWIP656	Introduction of Indian Satellite System NAVIC in UMTS. (CR for TS 25.433)	TSDSI-SGN-SWIP656-V1.1.0-20200304	Accepted
12	SWIP657	Introduction of Indian Satellite System NAVIC in UMTS(CR for TS 25.453)	TSDSI-SGN-SWIP657-V1.1.0-20200304	Accepted
13	SWIP658	Introduction of Indian Satellite System NAVIC in GERAN.(CR for TS 43.059)	TSDSI-SGN-SWIP658-V1.1.0-20200304	Accepted

14	SWIP659	Introduction of Indian Satellite System NAVIC in GERAN. (CR for TS 44.031)	TSDSI-SGN-SWIP659-V1.1.0-20200304	Accepted
15	SWIP660	Introduction of Indian Satellite System NAVIC in GERAN. (CR for TS 44.071)	TSDSI-SGN-SWIP660-V1.1.0-20200304	Accepted
16	SWIP661	Introduction of Indian Satellite System NAVIC in GERAN. (CR for TS 45.005)	TSDSI-SGN-SWIP661-V1.1.0-20200304	Accepted
17	SWIP662	DCS reference model over 3GPP mobile networks	TSDSI-SGSS-SWIP662-V1.0.0-20200305	Accepted
For complete details of the SWIP please click here and select SWIP				

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 IV

SESEI stands for "Seconded European Standardization Expert in India" and is a 5-partner's project based in New Delhi, India, with the objective to increase visibility of European standardization and promote EU/EFTA-India cooperation on standards and related issues. The Project is managed by the European Telecommunications Standards Institute (ETSI), a European Union recognized Standards Organization, and is further supported by the other two other recognized EU Standards Organizations CEN and CENELEC. The other two partners to this Project are the European Commission and the European Free Trade Association. It is a Standardization focused project, with a priority emphasis on the following sectors: ICT, Automotive, Electronic Appliances including Consumer Electronics and Smart Cities etc.

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