



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

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Greeting from Project SESEI 3!!!

A very warm welcome and a very Happy [Diwali \(Festival of Lights\)](#) in advance to all our readers. We are pleased to bring you this tenth edition of our “Project SESEI Newsletter - Europe” providing latest policy, regulatory and technical news from India around Project SESEI focus areas.

Make in India (MII) initiative is one of the main focus of Government of India as it aims to take the GDP contribution from manufacturing of the country to 25% by 2022. The Public procurement policy has made preference for procurement of make in India goods & services with a view to enhancing income and employment. Similar steps have also been ensured in the new draft policy on [Electronic manufacturing](#), [National Digital Communication Policy \(NDCP\)](#), which shall hopefully encourage manufacturing in India for the country as well as for the World. The Government of India has also imposed stringent quality checks and higher custom duties for many products, primarily electrical/ electronic goods, solar photovoltaic cells etc.

To shorten the time to market, encourage start-up eco system, and local entrepreneurship, India has also taken several steps such as reducing time for granting patents and trademarks with a hope that this will help in growing the economy of the country at a faster pace. Capacity/Skill building, job creation are other important facets that the government is working on simultaneously.

Recently the Ministry of Housing and Urban Affairs initiated Smart cities fellowship and internship program which will provide the youth an opportunity to experience the aspects of Urban planning and governance. This initiative is started to promote ‘Digital India’ and “ease of living” for India’s urban residents by promoting digital payments and encouraging Smart Cities to adopt innovative digital payments initiatives.

Similar, to the Mobility Package in Europe, Indian government through appropriate ministries and its think tank - Niti Aayog is rapidly working towards creating the cohesive policy and regulatory environment for smooth transition to the electric mobility in India. A report on shared mobility was also released by Niti [Aayog](#) titled “Moving Forward Together: Enabling Shared Mobility in India”. Stating that India can cumulatively save up to 1.5 gigatonnes of CO2 through 2035 if sharing and vehicle electrification is promoted. A new stable policy regime around electric and automated vehicles and alternative fuels is likely to be announced soon which will also focus on increased investments for manufacturing of electric vehicles and the required charging infrastructure. The Union government also plans to provide ₹1,000 crore (125M euro) as starting subsidy for building a nationwide charging infrastructure for electric vehicles as it seeks to expedite the roll-out of India’s ambitious EV programme.

In the ICT sector, 5G has taken the center stage, “High Level Forum on 5G” as constituted under the leadership of Department of Telecom, Ministry of communication recently released its report on '[Making India 5G ready](#)', with a vision of the government to accelerate the allocation and auctioning of 5G spectrum in the country. SESEI in his individual capacity as part of two task forces names “Education Awareness Promotion” and Action plan for participation in Global Standards & Forums” contributed to this report. Government is also working towards setting up Center of Excellence for Artificial Intelligence to keep pace with the 5G deployments and to have robust security solutions for cyberspace as India moves towards a digital society. On 5G, Ericsson along with the Indian Institute of Technology (IIT) Delhi has launched the 5G innovation lab. Following the footsteps of European General Data Protection Regulation 2016/679, India has also drafted a Data Protection and Privacy ACT, which was released for feedback and is expected to be placed before the parliament during the next winter session. Telecom Regulatory Authority of India (TRAI) on this subject of Data Privacy also released its recommendations on “[Privacy, Security and Ownership of Data in the Telecom Sector](#)”. These recommendations are specifically aimed at privacy, security and ownership of data of telecommunication users, while at the same time attempt to strike a balance with respect to use of data for data-based businesses.

Government is also scaling up the Energy Efficiency programmes to curb the greenhouse gas emissions as well as boost the use of clean, renewable energy for domestic as well as industrial usage. The Govt, think tank - NITI Aayog has proposed a common nodal energy ministry on the lines of the model followed in various other countries and is also working upon the second draft of the National Energy Policy. The government of India has also signed a \$220million loan agreement and a \$80 million guarantee pact with the World Bank to push energy efficiency programme in India. India has also signed up with [KfW](#), a leading German financial institution, for a €200 million loan to fund renewable energy project. India and Germany have also signed agreements on financial and technical cooperation worth Euro 653.7 Million within the framework of the Indo-German development cooperation which will focus on urban mobility, climate resilience etc.

Many more such news and updates have been captured in this edition of newsletter for Europe, which will make it an interesting and informative read for all of you. We will eagerly await your comments feedback, and suggestions for making this newsletter even better and informative. Happy Reading!

Warm regards,

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

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[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

Public Procurement (Preference to Make in India) Order 2018 for Cyber Security Products

The Government has issued Public Procurement (Preference to Make in India) Order 2017 vide the Department of Industrial Policy and Promotion (DIPP) Notification to encourage 'Make in India' and to promote manufacturing and production of goods and services in India with a view to enhancing income and employment. [Read More & Download](#)

India imposed a safeguard duty on solar cells imported from China and Malaysia for two years

India imposed a safeguard duty on solar cells imported from China and Malaysia for two years. As per the notification of the finance ministry, 25% safeguard duty have been imposed for July 30 to July 29, 2019, which will gradually come down to 20% during July 30, 2019 to January 29, 2020 and 15% during January 30, 2020 to July 29, 2020. [Read more & Download](#)

Cabinet nod to India joining world intellectual property treaties

The Union Cabinet approved India's accession to the World Intellectual Property Org. Copyright Treaty, and WIPO Performers and Phonograms Treaty (WPPT) extending copyright coverage to the internet and digital spheres. Both treaties provide the framework for creators and rights owners to use technical tools to protect their works and safeguard information about their use. [Read More](#)

New ecommerce policy to India in WTO negotiations: Commerce department

The commerce department has asserted that India requires a domestic ecommerce policy as there was pressure from developed countries on it to take part in WTO negotiations on online trade and also to counter China's domination in the digital space. The idea of the policy was to create a robust information base, facilitate an ecosystem for domestic economy, strengthen consumer protection in the ecommerce space [Read more](#)

Taking steps to cut time to grant patents, trademarks

India is taking several steps, including hiring more manpower and increasing use of technology, to reduce time for granting patents and trademarks. As the economy is growing at a faster pace, focus on innovation and intellectual property rights (IPRs) are fundamental. Steps by the DIPP has helped to substantially improve the IPR regime of the country. [Read more](#)

Indian patent body invites EoI for usage of Blockchain, AI in patent processing system

Looking at immense scope of new technologies that can bring to patent industry, India's Controller General of Patents, Designs & Trademarks under the commerce ministry has invited expressions of interest (EoI) for making use of artificial intelligence, Blockchain, internet of things (IoT) and other latest technologies in patent processing system. [Read More](#)

Smart Cities

Indian Institute of Science (IISc.) to be part of India-UK project on smart cities

IISc will be one of the key research partners in an international, multi-institutional research into Smart City reforms and their impact on sustainable urban mobility. The two-year India-UK project will look at the transport governance arrangements, trace the impact of governance reforms, engage with practitioners and develop a community of researchers on Smart Cities.

[Read More](#)

Pune selected as India's first lighthouse city for Urban Mobility Lab

Pune has been selected as India's first Lighthouse City for an urban mobility lab, in a program led by the Rocky Mountain Institute (RMI) and NITI Aayog. Eight solutions providers from across India and four multi-stakeholder working groups will work to develop innovative mobility solutions for Pune city through the Urban Mobility Lab, led by RMI in partnership with the Pune Municipal Corporation (PMC). [Read More](#)

India Smart Cities Fellowship (ISCF) and Internship (ISCI) Program Launched To Provide Opportunity to Youth to Work In the Domain of Urban Planning and Governance

Sh. Hardeep S Puri, MoS(I/C), Ministry of Housing and Urban Affairs has stated that Smart cities fellowship and internship program will provide the youth an opportunity to experience the aspects of Urban planning and governance. It is intended to promote 'Digital India' and ease of living for India's urban residents by promoting digital payments and encouraging Smart Cities to adopt innovative digital payments initiatives. Sh. Puri launched several new initiatives under AMRUT and the Smart Cities Mission, these include the India Smart Cities Fellowship (ISCF) Program, India Smart Cities Internship (ISCI) Program and The Smart Cities Digital Payments Awards 2018 and the 'CITIIS' challenge under the Smart Cities Mission and the Local Area Plan (LAP)/Town Planning Scheme (TPS) to be implemented in 25 cities on pilot basis under AMRUT. [Read More](#)

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Automotive

Niti (National Institution for Transforming India) Aayog releases draft model concession agreement for electric vehicles.

NITI Aayog, has taken an initiative to provide a Model Concession Agreement (MCA) document for introducing Electric-Bus Fleet in Cities for Public Transportation on Public-Private Partnership (PPP) mode on Operational Expenditure (per km basis) Model. The said model document has been developed based on international best practices, and with view of providing cleaner, more efficient and affordable public transportation. [Read more](#)

NITI Aayog released a report titled "Moving Forward Together: Enabling Shared Mobility in India"

This report adopts a broad definition of shared mobility—any mode of transportation that is shared by users on a as-needed basis, from bikes to 4-wheelers to mass transit can constitute shared mobility. Shared mobility includes the movement of both people and goods. Shared mobility leads to better fleet utilization—allowing more passengers and goods to travel in the same vehicle/vehicle kilometer travelled. By increasing occupancy of passenger vehicles, India has the potential to reduce vehicle kilometer demand by nearly 35%, accounting to 2000 billion kilometers in 2035. This, combined with more efficient vehicle technologies, can cumulatively save above 1 gigatonne of CO2 through 2030. [Read more/Download](#)

Auto industry raises concerns over proposed changes in import regulations

The automobile industry is concerned over a proposal by the government to allow imports of up to 2,500 units without the need for adapting to Indian regulations, according to sources in the sector. The Ministry of Road Transport and Highways in June had sought feedback from stakeholders to amend the Central Motor Vehicles Rules for allowing import of right-hand drive vehicles with compliance certificate from the country of origin. [Read More](#)

PM Unveils Mobility Road Map, Seeks Investments In E-Vehicles Production

Prime Minister unveiled a mobility road map that seeks investments in manufacturing electric vehicles and increased use of public transport for travel, saying congestion-free mobility is critical to check economic and environmental costs of congestion. Speaking at the Global Mobility Summit 'MOVE', he said clean mobility powered by clean energy is the most powerful weapon to fight climate change. [Read More](#)

Govt to soon launch EV and alternate fuel policy: PM

Taking note of the industry wide demand, Prime Minister Narendra Modi today hinted that the government will soon come out with a new policy on electric vehicles and alternate fuel units to strengthen the e-mobility drive in India. The new policy will be aimed at supporting the automakers to raise production of battery powered and alternate fuel vehicles, as part of efforts to trim down the rising oil import bill. [Read More](#)

Govt. looks to install a charging station every 25 km

The Union government plans to provide ₹1,000 crore (125 euro million) as subsidy for building a nationwide charging infrastructure for electric vehicles as it seeks to expedite the roll-out of India's ambitious EV programme. Ministry of heavy industries (MHI) is drafting a cabinet note on the ways and means to set up the infrastructure as the government seeks to allay consumer concerns on how to charge such vehicles especially on cross-country highways. [Read More](#)

Notifications issued by Transport Ministry (MoRTH)

- Notification regarding Background colour for Registration plates of Battery-Operated Vehicles. [Read more](#)
- Draft Notification Regarding Retro-Fitment of Electric Kit to Motor Vehicles. [Read more](#)
- Notification no. G.S.R. 643 (E): regarding National Permit (NP), FASTag, fitness certificate etc. [Read more](#)

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ICT including services

Consultation Papers, recommendations, policies and directives

- Recommendations on auction of spectrum in 700 MHz, 800 MHz, 900 MHz, 1800 MHz, 2100 MHz, 2300 MHz, 2500 MHz, 3300-3400 MHz and 3400-3600 MHz bands. [Read more/Download](#)
- Recommendations on Promoting Local Telecom Equipment Manufacturing, aims at having zero telecom equipment imports by 2022. [Read more/Download](#)
- Draft Telecommunication Consumers Education and Protection Fund (Fourth Amendment) Regulation, 2018 [Read more/Download](#)
- Recommendations on "Privacy, Security and Ownership of Data in the Telecom Sector". [Read more/download](#)
- Recommendations on Making Information and Communication Technology (ICT) accessible for Persons with Disabilities. [Read more/Download](#)

- Method of allocation of spectrum for Public Mobile Radio Trunking Service (PMRTS) including auction, as a transparent mechanism. [Read more/Download](#)

Ericsson launches 5G innovation lab in India

Ericsson has announced the launch of a 5G innovation lab in India, with the Swedish networking giant saying it will encourage collaboration on 5G technologies and applications between telecommunications carriers, industry, startups, and academia. The Center of Excellence and Innovation Lab for 5G is located at the Indian Institute of Technology (IIT) Delhi, and is currently demonstrating 5G beamforming and beam-tracking technologies using the 3.5GHz spectrum band.

[Read More](#)

India's telecom infrastructure likely to be 5G ready by 2020: DoT

Government is likely to consider the recommendations made by the 5G Steering Committee, so as to hasten the allocation and auctioning of 5G technologies in the country. To this effect, a panel to identify the 5G deployment roadmap for India, headed by Stanford University electrical engineering professor Arogyaswami Paulraj, submitted its recommendations to Aruna Sundararajan, telecom secretary. The report titled 'Making India 5G ready' was released by DoT.

[Read more](#)
[Download](#) "Making India 5G Ready"

Telecom Commission approves forming National Trust Centre for M2M devices, apps certification

The Telecom Commission said a new National Trust Centre will be created for certifying devices and applications for M2M communication. It has also decided to form an apex body for this technology segment and its members will include representatives from other regulatory authorities like National Highways Authority of India and Central Electricity Regulatory Commission.

[Read More](#)

Foreign Direct Investment (FDI) in Telecom Sector 5 times in last three years

It is a matter of pride for us that FDI in the telecom sector has grown nearly five times over the last three years – from \$1.3 billion in 2015-16 to \$ 6.2 billion in 2017-18 and we look forward to continuous inflow of FDI in the sector". Stated Minister of State for Communications in the Inaugural Session of the one-day seminar on "FDI in Telecom Sector.

[Read More](#)

India to set up Centre of excellence (CoE) in Artificial Intelligence (AI)

The government plans to set up a centre of excellence in AI as the country leapfrogs to the next level of technology with the onset of 5G. The Center for Excellence in AI will be set up by National Informatics Center (NIC), under the Ministry of Electronics and IT, in the national capital. The aim is to have robust security solutions for cyberspace as India moves towards a digital society.

[Read More](#)

DoT asks telcos to give road map for building public Wi-Fi system

Telecom operators have been asked to by Department of Telecommunications (DoT) to give the road map for building public WiFi system. DoT hopes to launch around 5 lakh WiFi hotspots across the country by the end of 2018, with at least one in every village in India. It will be a three year road map on how they will build the public WiFi system.

[Read More](#)

Defence Ministry to rope in industry to leverage Artificial Intelligence

The Defence Ministry will soon come up with a detailed roadmap on working closely with the industry on Artificial Intelligence (AI). A task force, headed by Tata Sons Chairman N Chandrasekaran to study use and application of AI in military, recently gave its recommendations, which has been converted into a Draft Executive Order. [Read More](#)

DoT eases import of Wi-Fi-equipped phones', to speed up rollout

Companies selling imported devices need not require a permit from the telecom department for handsets with Wi-Fi and Bluetooth features, which would quicken the roll out of imported phones in the country. The DoT issued a memorandum stating that import of mobile handsets having Bluetooth and Wi-Fi can be regulated under the foreign trade policy. [Read More](#)

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Electrical Equipment including Consumer Electronics**India's draft electronics policy aims \$400 billion manufacturing industry by 2025**

The proposed policy aims to double the target of mobile phone production from 500 million units in 2019 to 1 billion by 2025 to meet the objective. The country's draft electronics policy released by the IT ministry has set an ambitious target of creating a \$400 billion electronics manufacturing industry by 2025. [Read More](#)

Download [National Policy on Electronics](#)

Safran collaborates with IEEE for industry-academia partnership

Safran Engineering Services India has signed a partnership with the Institute of Electrical and Electronics Engineers (IEEE) for the advancement of technology, to set up a state-of-the-art e-mobility R&D facility at Bangalore. This project would enable the integration of renewable energy source, mainly solar energy and the ability to convert even the electric vehicle as a distributed power generation source [Read More](#)

Power Ministry brings Electricity Amendment Bill back on the table

The Power Ministry has sought comments on a revised draft of the Electricity Amendment Bill which seeks to separate carriage and content businesses to enable consumers to switch their power suppliers as they do for telecom services. The feedback on the revised Electricity Amendment Bill 2018 has been sought within 45 days. [Read More](#)

Govt. plans to set up national power distribution company

The Union government plans to set up a national power distribution company that will handhold state discoms in electricity distribution activities and ensure time-bound implementation of central schemes. The proposed company will compete with private firms and contractors to bag contracts of state-run distribution companies for appointing franchisees or engineering tenders, officials said. [Read More](#)

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R&D and Innovation

3 India-specific research schemes to be launched

The govt. will launch three schemes worth more than Rs 1,200 crore (150 euro million) to boost India-specific research in social and pure sciences with foreign collaborations and targeted measures to upgrade research infrastructure. Human resource development ministry will launch the schemes titled STARS, SPARCNSE -3.75 % and IMPRESS, which will be piloted and coordinated by Indian Institute of Science (IISc) Bangalore, Indian Institute of Technology (IIT) Kharagpur, and Indian Council of Social Science & Research (ICSSR), respectively. [Read More](#)

Govt, industry must work together to promote R&D

Government and industry must synergise their efforts to promote R&D and innovation in the country. The culture of spending on research and development (R&D) is growing in India and India has improved its ranks on the GII by three places to 57th in 2018 from 60th position last year, according to the 'Global Innovation Index (GII) 2018, Energizing the World with Innovation' report. India ranked well in several important innovation inputs, including graduates in science and engineering, expenditures of major R&D-intensive global companies, and capital formation, the report said. [Read more](#)

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Manufacturing / Make in India

Government to wheel in a new industrial policy soon

The government will shortly unveil a new industrial policy that aims to speed up regulatory reforms and lower power tariffs to make businesses more competitive and create more jobs. The proposals include establishing an overarching body with representation by the Centre and the states similar to the Goods and Services Tax (GST) Council to enable swift decisions on key changes such as the revamp of labour laws, taxation provisions and land leasing. [Read more](#)

Deger Energie, Kavitsu announce new PV tracker manufacturing fab in India

Marking its entry into the Indian solar market, Germany-based tracker manufacturer, Deger Energie GmbH & Co. KG has teamed up with Kavitsu Robotronix Pvt Ltd to create a new joint venture company, Kavitsu Deger Pvt Ltd. Under the partnership, the two will set up a PV tracker manufacturing facility in Satara, Maharashtra. A spokesperson tells pv magazine that 10,000 units per year will be manufactured initially, which will be capable of serving 200 MW of solar farm capacity. [Read More](#)

Govt asks ministries to notify domestic content norms for procurement of goods to boost 'Make in India'

In order to promote Make in India, the government has asked all ministries and departments to notify the domestic content norms for goods to be procured by them. It has also advised the ministries to study the phased manufacturing programme being implemented by ministry of electronics and information technology to progressively increase the domestic content. "The main objective of this move is that ministries, departments, public sector units and defence forces should give preference to domestic products," the official in the commerce and industry ministry said. [Read More](#)

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Energy Efficiency-Environment

Govt, EESL, World Bank sign \$300 million pact to boost energy efficiency programme

The government, World Bank and state-owned Energy Efficiency Services Limited (EESL) inked a \$220million loan agreement and a \$80 million guarantee pact to push energy efficiency programme in India. To be implemented by EESL, investments under the programme are expected to avoid lifetime green - house gas emissions of 170 million tons of CO₂, and contribute to avoiding an estimated 10 GW of additional generation capacity. [Read More](#)

Launch of “Scale Up of Access to Clean Energy”

The Govt has approved the launch of “Scale Up of Access to Clean Energy” program for the period financial year (FY) 2018-19 and FY 2019-20. The program is one of the four components under the United Nations Development Program ([UNDP](#)) and the Global Environment Facility’s ([GEF](#)) project on Scale Up of Access to Clean Energy for Rural Productive Uses (India ACE Project).

[Read More and Download](#)

Power Ministry launches ambitious program on energy efficiency in Chillers

Ministry of Power, Government of India launched an ambitious program to encourage the deployment of Energy Efficient chiller systems in the country here today. The Chiller Star Labelling Program has been formulated by Bureau of Energy Efficiency (BEE). The program envisages providing star rating in terms of its energy performance. Initially, the program is launched on voluntary basis and will be valid upto 31st December 2020. [Read More](#)

NITI Aayog proposes nodal energy ministry to streamline governance

The NITI Aayog has proposed a common nodal energy ministry on the lines of the model followed in various other countries to streamline governance among different ministries and departments pertaining to the crucial sector and speed up decision-making. The Aayog, the government’s premier think tank, has included the proposal in its second draft of the National Energy Policy following suggestions from its vice chairman. [Read More](#)

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EU-India/Trade-FTA/Investments

India, German sign pacts worth Euro 653.7 Million (approx. Rs. 5253 crore)

India and Germany signed agreements on financial and technical cooperation worth Rs 5,250 crore within the framework of the Indo-German development cooperation. The agreement will include projects with a focus on sustainable urban development that include urban mobility, climate resilience that would go in tune with the government’s Smart Cities initiative. [Read More](#)

Germany and India Sign a €200 Million Loan Agreement to Fund Renewable Projects

[KfW](#), a leading German financial institution, has signed a €200 million loan agreement with India’s Rural Electrification Corporation Limited (REC), a state-run power sector financier. KfW signed the agreement on behalf of German Federal Ministry for Economic Cooperation and Development (BMZ). [Read More](#)

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Invest India

Invest India and Business France Sign Mou to Promote Investment

Invest India and Business France have signed an MoU to promote investment facilitation and cooperation between startups of India and France. The goal will be to facilitate direct foreign investment by providing practical investment information to enterprises and support the companies pursuing those opportunities which contribute positively to economic growth of the two countries. [Read More](#)

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Events calendar 2018

IoT India Expo

When: 30 Oct – 1 Nov 2018

Where: Pragati Maidan, New Delhi, India

IoT India Expo will cover areas like design to maximize the technology potential, driving productivity, asset optimization, cost savings and new revenue opportunities for companies of all kinds. **For more information please [click here](#)**

"Electric Vehicles And Renewable Energy Conference & Expo"

When: 13-14 Nov 2018

Where: Hitex Exhibition Center, Hyderabad, India

Electric Vehicles and Renewable Energy Conference & Expo will comprise companies from the entire business value chain, thus presenting exhibitors the opportunity for productive interactions with other parts of their business value chain. Also, Conference will discuss the opportunities, technical aspects and concerned issues at a single platform for the growth of E-Vehicles industry in India. **For more information please [click here](#)**

India Consumer Electronics & Home Appliances Exhibition

When: 22-24 Nov, 2018

Where: Mumbai Exhibition Centre, Mumbai, India

The India Consumer Electronics & Home Appliances show is specifically designed to fulfil the needs of the electronics, home appliances and personal care industry and is a one stop comprehensive sourcing & trading platform. **For more information please [click here](#)**

E-Vehicle Expo India

When: 22-24 Nov 2018

Where: NSIC Exhibition Complex, New Delhi, India

The E-Vehicle Expo offers an unrivaled opportunity for companies in the Electric Vehicle (EV) industry to showcase their latest products, services and innovations. This is the best place to meet and network with your customers, business prospects, targeting the future market and showcasing the potential of the eco-friendly EV technology. This action-packed event will bring together in one large showcase, electric vehicles, hybrid vehicles, clean energy technology, and advancements in alternative transport options. **For more information please [click here](#)**

Cloud and Network Virtualisation India

When: 28th Nov 2018

Where: The Leela Mumbai, Mumbai, India

In the Cloud and Network Virtualisation India, the telecom service providers are considering numerous architectural issues as they plan to transform their network infrastructure to support these new technologies. **For more information please [click here](#)**

The Transport Expo 2018 Eastern Region***When: December 14-16, 2018******Where: ECO PARK, NEW TOWN, KOLKATA, India***

The Transport Expo 2018 wants to create a forum; which will play a vital role in developing and providing a ready to use marketing and educational platform for the growing automotive business in India. The Transport Expo 2018 will have exhibitors from complete segment of automobile industry representing Commercial Vehicles, Passenger cars, Two and Three wheelers, Green Vehicles, Components and Equipments, Décor, Maintenance, Services. **For more information please [click here](#)**

International Conference on Electrical, Electronics and Communication Engineering (ICEECE)***When: 16th December, 2018******Where: Hotel Florence, New Delhi, India***

International Conference on Electrical, Electronics and Communication Engineering is the platform for scientists, scholars, engineers, and students from the Universities all around the world and the industry to present ongoing research activities, and hence to foster research relations between the Universities and the industry. **For more information please [click here](#)**

International Conference on Communication Systems and Networks***When: 07-12 Jan 2019******Where: The Chancery Pavilion, Bengaluru, India***

This is a premier international conference dedicated to advances in Networking and Communications Systems. The conference will include a highly selective technical program consisting of submitted papers, a small set of invited papers on important and timely topics from well-known leaders in the field, and poster session of work in progress. **For more information please [click here](#)**

27th Convergence India 2019***When: 29-31 January 2019******Where: Pragati Maidan, New Delhi, India***

The expo will showcase latest trends and technologies related to Telecom, Broadcast, Cable and Satellite TV, Cloud & Big Data, IoT, Digital Homes, Mobile devices, Film and Radio, Content Creation, Management and Delivery, etc. and also provides engagement with digital innovators, international business gurus, telecom and broadcasting czars, leaders from IT & Internet and IoT industries. **For more information please [click here](#)**

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Annexure 1**ICT/LITD**

The following Draft Indian Standards were issued for by Electronics and Information Technology division council at BIS during the last quarter for eliciting technical comment:

Electronics and Information Technology Division Council (LITDC)			
S. No.	Document No.	Title of the Doc	IEC/ISO
1	LITD 12(12136)	Methods of measurement for radio transmitters Part 17: External intermodulation products caused by two or more transmitters using the same or adjacent antennas	IEC TC- 103 (O)
2	LITD 12(12135)	Methods of measurement for radio transmitters Part 14: Transposers for FM sound broadcasting	IEC TC- 103 (O)
3	LITD 12(12134)	Methods of measurement for radio transmitters Part 13: Methods of measurement for television transmitters and transposers employing insertion test signals	IEC TC- 103 (O)
4	LITD 12(12133)	Methods of measurement for radio transmitters Part 12: Performance characteristics for television transposers	IEC TC- 103 (O)
5	LITD 12(12132)	Methods of measurement for radio transmitters Part 11: Performance characteristics of vestigial-sideband demodulators used for testing television transmitters and transposers	IEC TC- 103 (O)
6	LITD 12(12131)	Methods of measurement for radio transmitters Part 10: Cabinet radiation at frequencies above 1 GHz along with Supplement 7A :1980	IEC TC- 103 (O)
7	LITD 12(12130)	Methods of measurement for radio transmitters Part 9: Cabinet radiation at frequencies between 130 kHz and 1 GHz	IEC TC- 103 (O)
8	LITD 12(12129)	Methods of measurement for radio transmitters Part 8: Performance characteristics of television transmitters	IEC TC- 103 (O)
9	LITD 12(12128)	Methods of measurement for radio transmitters Part 7: Amplitude/frequency characteristics and non-linearity distortion in transmitters for radiotelephony and sound broadcasting along with Supplement4A : 1973	IEC TC- 103 (O)

10	LITD 12(12126)	Methods of measurement for radio transmitters Part 5: Bandwidth, out-ofband power and power of non-essential oscillations along with Amendments 1 :1974, Supplement 2A:1969, 2A/AMD 1:1973, 2B:1969	IEC TC- 103 (O)
11	LITD 12(12127)	Methods of measurement for radio transmitters Part 6 : Wanted and unwanted modulation along with Supplement 3A:1971, 3B:1972	IEC TC- 103 (O)
12	LITD 27(13076)	Information technology – Underwater acoustic sensor network (UWASN) – Part 1: Overview and requirements	ISO/IEC/JTC1 TC- 41 SC- 41 (P); IEC TC- 124 (P);
13	LITD 27(13077)	Information Technology – Internet of Things (IOT) – IOT Use Cases	ISO/IEC/JTC1 TC- 41 SC- 41 (P); IEC TC- 124 (P);
14	LITD 17 (12718)	Information Technology- Security Techniques – Guidelines For Information Security Management Systems Auditing	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
15	LITD 17 (12698)	Information Technology- Security Techniques – Digital Signatures With Appendix Part 3: Discrete Logarithm Based Mechanisms	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
16	LITD 17 (12711)	Information Technology- Security Techniques – Application Security- Part 6 Case Studies	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
17	LITD 17 (12710)	Information Technology- Security Techniques – Application Security – Part 5: Protocols And Application Security Controls Data Structure	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
18	LITD 17 (12709)	Information Technology- Security Techniques – Application Security – Part:2 Organization Normative Framework	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
19	LITD 17(12708)	Information Technology- Security Techniques – Electronic Discovery – Part:3 Code Of Practice For Electronic Discovery	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);

20	LITD 17 (12707)	Information Technology- Security Techniques – Electronic Discovery – Part 1: Overview And Concepts	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
21	LITD 17 (12715)	Information Technology- Security Techniques – Encryption Algorithms - Part4 : Stream Ciphers	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
22	LITD 17(12712)	Information Technology- Security Techniques – Guidance For The Production Of Protection Profiles And Security Targets	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
23	LITD17 (12717)	Information Technology- Security Techniques – Information System – Overview And Vocabulary	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
24	LITD)17(12714)	Information Technology –Security Techniques – Encryption Algorithms- Part 2: Asymmetric Ciphers- Amendment No 1	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
25	LITD 17 (12706)	Information Technology- Security Techniques – Time –Stamping Services Part 4: Traceability Of Time Sources	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
26	LITD 17(12705)	Information Technology- Security Techniques – Network Security – Part 6: Securing Wireless IP Network Access	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
27	LITD 17(12704)	Information Technology- Security Techniques – Key Management – Part 4: Mechanisms Based On Weak Secrets (First Revision)	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
28	LITD17 (12703)	Information Technology- Security Techniques – Key Management – Part 3: Mechanisms Using Asymmetric Techniques (First Revision)	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);

29	LITD 17 (12702)	Information Technology- Security Techniques – Information Security Incident Management – Part 2: Guidelines To Plan And Prepare For Incident Response	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
30	LITD 17 (12701)	Information Technology- Security Techniques – Information Security Incident Management – Part 1: Principles Of Incident Management	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
31	LITD 17 (12700)	Information Technology- Security Techniques – Digital Signatures With Appendix Part 2: Integer Factorization Based Mechanisms	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
32	LITD 17 (12699)	Information technology- Security Techniques – Digital signatures with appendix Part 1: General	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
33	LITD 17(12716)	Information Technology- Security Techniques – Encryption Algorithms – Part 5: Identity Based Ciphers	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P);
34	LITD 09 (12737)	Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 5 Surge immunity test (First Revision)	IEC TC- 77 (P); IEC TC-CISPR (O); IEC TC- 77A SC- 77A (P); ISO TC- 77B SC- 77B
35	LITD 09 (12738)	Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 9 Impulse magnetic field immunity test (Second Revision)	IEC TC- 77 (P); IEC TC-CISPR (O); IEC TC- 77A SC- 77A (P); ISO TC- 77B SC- 77B
36	LITD 09 (12739)	Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 12 Ring wave immunity test (Second Revision)	IEC TC- 77 (P); IEC TC-CISPR (O); IEC TC- 77A SC- 77A (P); ISO TC- 77B SC- 77B
37	LITD 09 (12740)	Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 16 Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz (Second Revision)	IEC TC- 77 (P); IEC TC-CISPR (O); IEC TC- 77A SC- 77A (P); ISO TC- 77B SC- 77B

38	LITD 09 (12741)	Electromagnetic Compatibility (EMC) Part 6 Generic Standards Section 1 Immunity standard for residential, commercial and light-industrial environments (First Revision)	IEC TC- 77 (P); IEC TC-CISPR (O); IEC TC- 77A SC- 77A (P); ISO TC- 77B SC- 77B
39	LITD 09 (12742)	Electromagnetic Compatibility (EMC) Part 6 Generic Standards Section 2 Immunity standard for industrial environments (First Revision)	IEC TC- 77 (P); IEC TC-CISPR (O); IEC TC- 77A SC- 77A (P); ISO TC- 77B SC- 77B
40	LITD 09 (12743)	Electromagnetic Compatibility of Multimedia Equipment – Emission Requirements	IEC TC- 77 (P); IEC TC-CISPR (O); IEC TC- 77A SC- 77A (P); ISO TC- 77B SC- 77B
41	LITD 09 (12736)	Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 1 Overview of the IEC 61000-4 series (Second Revision)	IEC TC- 77 (P); IEC TC-CISPR (O); IEC TC- 77A SC- 77A (P); ISO TC- 77B SC- 77B
42	LITD17(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);
43	LITD17(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);
44	LITD 02 (12884)	Dependability Management Part 3 Application guide Section 1 Engineering of system dependability (Superseding IS 15613 :2005)	IEC TC- 56 (P)
45	LITD 02 (12881)	Equipment Reliability Testing Part 6 Tests for the validity and estimation of the constant failure rate and constant failure intensity (Superseding 1) IS 8161 (Part 6/Sec 1) : 1983 and 2) IS 8161 (Part 6/Sec 2) : 1987)	IEC TC- 56 (P)
46	LITD 02 (12882)	Dependability Management Part 3 Application guide Section 14 Maintenance and maintenance support [Superseding 1) IS 9692 (Part 8/Sec 1): 1988 ; 2) IS 9692 (Part 8/Sec 2): 1988 ; 3) IS 9692 (Part 8/Sec 3): 1988 and 4) IS 9692 (Part 8/Sec 4: 1988]	IEC TC- 56 (P)
47	LITD 02 (12883)	Dependability Management Part 1 Guidance for management and application [Superseding IS 15474 (Part 3/Sec 6): 2005]	IEC TC- 56 (P)

Electrical Equipment including Consumer Electronics (ETD)

The following Draft Indian Standards were issued for eliciting technical comments for Electro Technical Sector at BIS:

Electro-technical Division Council (ETD)			
S. No.	Document No	Title of the Doc	IEC/ISO
1	ETD 25(11992)	Electric Traction Lifts : Part 6 Replacement of existing passenger and goods passenger lifts in existing building	ISO TC- 178 (P);
2	ETD 06 (13098)	Guidance on the measurement of hydrophobicity of insulator surfaces	IEC TC- (P); IEC TC- 36A SC- 36A (O);
3	ETD 06 (13097)	Artificial pollution Tests on High-Voltage Ceramic and Glass Insulators to be Used on D.C. Systems	IEC TC- (P); IEC TC- 36A SC- 36A (O);
4	ETD 03 (11784)	Insulating liquids — Determination of the partial discharge inception voltage (PDIV) — Test procedure	IEC TC- (P);
5	E TD 03 (11788)	Mineral insulating oils – Characterization of paraffinic/naphthenic nature – Low temperature differential scanning calorimetry (DSC) test method	IEC TC- (P);
6	ETD 12 (13045)	Direct-current potentiometers (Third Revision)	IEC TC-85 (O)
7	ETD 12 (13052)	Inductive voltage dividers (First Revision)	IEC TC-85 (O)
8	ETD 12 (13051)	Direct acting recording electrical measuring instruments and their accessories (First Revision)- Superseding IS 6236	IEC TC-85 (O)
9	ETD 36 (12913)	Live working - Protective clothing against the thermal hazards of an electric arc - Part 1-1: Test methods - Method 1: Determination of the arc rating (ATPV or EBT50) of flame resistant materials for clothing (First Revision)	IEC TC- 78 (O);
10	ETD 36 (12912)	Live Working — Gloves of Insulating Material (Second Revision)	IEC TC- 78 (O);
11	ETD 36 (12911)	Live Working – Insulating Aerial Devices for Mounting on a Chassis (First Revision)	IEC TC- 78 (O);
12	ETD 36 (12917)	Live working - Voltage detectors - Part 6: Guidelines on non-contact voltage detectors (NCVD) for use at nominal voltages above 1 kV a.c.	IEC TC- 78 (O);
13	ETD 09(12395)	ELECTRIC CABLES FOR PHOTOVOLTAIC SYSTEMS FOR RATED VOLTAGES 1 500 VOLTS	IEC TC-20 (P);
14	ETD 09(12065)	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables and their Accessories: Part 4 For Working Voltages above 150 kV up to and including 500 kV	IEC TC-20 (P);

15	ETD 21 (12692)	Arc welding equipment: Part 13 Welding clamp	ISO TC-44 SC- (O); IEC TC-26 SC- (O);
16	ETD 21 (12691)	Arc welding equipment: Part 12 Coupling devices for welding cables	ISO TC-44 SC- (O); IEC TC-26 SC- (O);
17	ETD 21 (12690)	Arc welding equipment: Part 11 Electrode holders	ISO TC-44 SC- (O); IEC TC-26 SC- (O);
18	ETD 36 (12846)	Live working – Hand tools for use up to 1 000 V AC and 1 500 V DC (Second Revision)	IEC TC- 78 (O);
19	ETD 16 (12138 JW)	Draft Amendment No. 3 July 2018 to IS 1180 (Part 1) : 2014 Outdoor/Indoor type oil immersed distribution transformers upto and including 2500 kVA, 33kV - Specification Part 1 Mineral Oil Immersed (Fourth Revision)	IEC TC- 14 (P); IEC TC- 96 (P)

Transport (TED)

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

Transport Engineering Division Council (TED)			
S. No.	Document No	Title of the Doc	IEC/ISO
1	TED 11 (13053) W	Draft Amendment No. 3 to 'IS 15796 : 2008 ' Automotive vehicles – Horn installation requirement'	ISO TC-22 (P); ISO TC-22 SC-31 (P); ISO TC-22 SC-32 (P); ISO TC-22 SC-35 (P);
2	TED 27 (12996) W	Electric Power Train Vehicles — Method of measuring the range (Identical adoption of AIS 040:2015)	ISO TC-22 (P); ISO TC-22 SC-37 (O); IEC TC-69 (O);
3	TED 4 (12093)W	Draft Indian Standard AUTOMOTIVE VEHICLES – METHOD OF EVALUATION OF CONSTANT SPEED FUEL CONSUMPTION	ISO 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 (P);
4	TED 27 (12990) W	Electric Power Train Vehicles — Measurement of Electrical Energy Consumption (Identical adoption of AIS 039:2015)	ISO TC-22 (P); ISO TC-22 SC-37 (O); IEC TC-69 (O);

5	TED 7(13079)W	Draft AMENDMENT NO. 4 TO IS 15636 : 2012 AUTOMOTIVE VEHICLES — PNEUMATIC TYRES FOR COMMERCIAL VEHICLES — DIAGONAL AND RADIAL PLY — SPECIFICATION	ISO TC- 22 (P); ISO TC- 19 SC- 19; 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);
6	TED 4 (12575) W	Draft Indian Standard Automotive Vehicles — Vehicle Dynamics Test Methods Part 1: General Test Conditions	ISO 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 (P);
7	TED 27 (13050) W	Electricity propelled road vehicles — Connection to an externalelectric power supply — Safety requirements (Identical adoption of ISO 17409:2015)	ISO TC-22 (P); ISO TC-22 SC-37 (O); IEC TC-69 (O);
8	TED 4 (12595) W	Draft Indian Standard Guideline Specifications For Replacement Brake Lining Assemblies And Drum Brake Linings For Power-Driven Vehicles And Their Trailers	ISO 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 (P);
9	TED 4 (12599)	Automotive Vehicles- Vehicle Dynamics Measurements Test Procedure Part-3: Transient Response Test Procedure — Open Loop And Closed Loop Test	ISO 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 (P);
10	TED 29(12905)	Automotive Vehicles — Rear Underrun Protective Device — General Requirements (Second Revision of IS 14812)	ISO TC- 36 SC- 36 (P); ISO TC- 12 SC- 12 (P); ISO TC- 10 SC- 10 (O); ISO TC- 22 (P);

11	TED 27 (13066) W	Electric Power Train Vehicles — Construction and Functional Safety Requirements (Identical adoption of AIS 038:2015) (First Revision of IS 15886)	ISO TC-22 (P); ISO TC-22 SC-37 (O); IEC TC-69 (O); IEC TC-69 (O)
12	TED 27 (13009) W	Electric Power Train Vehicles — Measurement of net power and the maximum 30 minute power (Identical adoption of AIS 041:2015)	ISO TC-22 (P); ISO TC-22 SC-37 (O); IEC TC-69 (O);
13	TED 28 (12783)	Intelligent Transportation System (ITS): Reverse Parking Assist System (RPAS) [ICS 35.240.60; 43.040.15]	ISO TC- 204 (P);
14	TED 22 (11511) W	Fork-lift trucks – Fork arms – Technical Characteristics and Testing (Second Revision of IS 6876)	ISO TC- (P); ISO TC- 40 SC- 40 (O); ISO TC- 1 SC- 1 (P); ISO TC- 2 SC- 2 (P); ISO TC- 3 SC- 3 (P);
15	TED 22 (12113) W	Acceptance Criteria for Forklift Trucks (First Revision of IS 10517)	ISO TC- (P); ISO TC- 40 SC- 40 (O); ISO TC- 1 SC- 1 (P); ISO TC- 2 SC- 2 (P); ISO TC- 3 SC- 3 (P);
16	TED 18 (12895)W	Small craft -- Hull construction and scantlings -- Part 9: Sailing craft appendages	ISO TC- 8 (P); ISO TC- 7 SC- 7 (P); ISO TC- 11 SC- 11 (P); ISO TC- 188 (O)
17	TED 18 (12894) W	Small craft -- Hull construction and scantlings -- Part 8: Rudders	ISO TC- 8 (P); ISO TC- 7 SC- 7 (P); ISO TC- 11 SC- 11 (P); ISO TC- 188 (O)
18	TED 18 (12893) W	Small craft -- Hull construction and scantlings -- Part 6: Structural arrangements and details	ISO TC- 8 (P); ISO TC- 7 SC- 7 (P); ISO TC- 11 SC- 11 (P); ISO TC- 188 (O)
19	TED 18 (12892) W	Small craft -- Hull construction and scantlings -- Part 4: Workshop and manufacturing	ISO TC- 8 (P); ISO TC- 7 SC- 7 (P); ISO TC- 11 SC- 11 (P); ISO TC- 188 (O)
20	TED 18 (12891) W	Small craft -- Fire protection	ISO TC- 8 (P); ISO TC- 7 SC- 7 (P); ISO TC- 11 SC- 11 (P); ISO TC- 188 (O)
21	TED 18 (12890) W	Small craft -- Principal data	ISO TC- 8 (P); ISO TC- 7 SC- 7 (P); ISO TC- 11 SC- 11 (P); ISO TC- 188 (O)

At Automotive Research Association of India (ARAI)

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

Automotive work at Automotive Research Association of India (ARAI)		
S. No.	Code	Title of the Doc
1	Draft AIS-155 /DF	Microdot Systems: Product Specification
2	Draft D0 AIS 038 Rev 1 (PART 2)	Electric Power Train Vehicles- Construction and Functional Safety Requirements for L Category Vehicles
3	Draft Amd. 10 to AIS-063	Requirements for School Buses
4	Draft Amd 2 to AIS-038 (Rev.1)	Electric Power Train Vehicles-Construction and Functional Safety Requirements
5	Draft D1 AIS 038 (Rev 1) (PART 2)	Electric Power Train Vehicles-Construction and Functional Safety Requirements for L Category Vehicles
6	Draft Amd 2 to AIS 123 (Part 1)	CMVR Type Approval of Hybrid Electric System Intended for Retro-Fitment on Vehicles of M and N Category Having GVW not exceeding 3500 Kg
7	Draft Amd 2 to AIS 123 (Part 3)	CMVR Type Approval of Electric Propulsion Kit Intended for Conversion of Vehicles for Pure Electric Operation
8	Draft AIS-147/D1	External Projection requirements for Two Wheeled Motor Vehicles
9	Draft Amd 3 to AIS-093 (Rev. 1)	Code of Practice for Construction and Approval of Truck Cabs & Truck Bodies
10	Draft AIS-071(Part 1) (Rev. 1)/D2	Automotive Vehicles - Identification of Controls Tell-Tales and Indicators
11	Draft AIS-017(Part 6) / D1	Procedure for Establishing Whole Vehicle Safety Conformity of Production (WVSCOP) for L M & N category of Vehicles

ICT at TSDSI

Activities at TSDSI			
List of New Item for Proposal at TSDSI			
New Item Proposal	Name	Version	Status
NIP 210	Enabler Private Networks	TSDSI-SGN-NIP210-V1.0.0	Accepted
NIP 209	Study on the UAV/Drone communications and services	TSDSI-SGSS-NIP209-V1.0.0	Accepted
NIP 208	Liaison Statement on the Availability of initial description template information and updated information related to proposals for the terrestrial components of the radio interface(s) for IMT-2020	TSDSI-SGN-NIP208-V1.0.0	Accepted
NIP 207	Confirmation of receipt of initial description templates and updated information related to proposals for the terrestrial components of the radio interface(s) for IMT-2020	TSDSI-SGN-NIP207-V1.0.0	Accepted
NIP 206	Definition of and test methods for OTA unwanted emissions of IMT radio equipment	TSDSI-SGN-NIP206-V1.0.0	Accepted
NIP 205	LS on Establishment of new Focus Group on Network Technologies for 2030 and beyond (FG NET-2030)	TSDSI-SGN-NIP205-V1.0.0	Accepted
NIP 204	PPDR Questionnaire	TSDSI-SGSS-NIP204-V1.0.0	Accepted
For complete details of the NIP please click here			
"List of Work Item status update"			
Work Item	Name	Version	Status
No Work Items introduced since last quarter			
For complete details of the Work Items (WI) please click here and select Work Items			
"Status update of Study Items at TSDSI"			
Study Item	Name	Version	Status
SI62	SI for Study on UAV/Drone communications and services	TSDSI-SG2-SI62-V1.0.0-20180907	Approved
For complete details of the Study Items please click here			
"List of SWIP Status Update"			
SWIP	Name	Version	Status
No SWIP introduced since last quarter			
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 3

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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EFTA - European Free Trade Association
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