



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

1. [Headlines of the Quarter](#)
2. [Standards, TBTs & IPR](#)
3. [Smart Cities](#)
4. [Automotive](#)
5. [ICT including Services](#)
6. [Electrical Equipment including Consumer Electronics](#)
7. [R&D and Innovation](#)
8. [Manufacturing / Make in India](#)
9. [Energy Efficiency – Environment](#)
10. [EU-INDIA/Trade-FTA/Investments](#)
11. [Invest India](#)
12. [Events](#)
13. [Annexure 1](#)
14. [Indian rupee](#)
15. [About Project SESEI](#)



Greeting from Project SESEI 3!

Dear All,

We are pleased to present our eighth edition of “Project SESEI Newsletter Europe” for our European stakeholders & community, which covers latest updates around policies, new initiatives and related information on standardization from India.

Realizing the importance of standards as an essential element for achievement of mammoth goals set for itself, the Indian Government through its Ministry of Commerce have started an exercise to formulate an Indian national strategy for standardization (INSS) for products and services with an aim to provide a level-playing field to its domestic industry and adopt global best practices. The draft strategy paper reflects the current state of development across sectors, the existing quality infrastructure and the policy directions in relation to domestic economic developments and trade in goods and services. To further strengthen its core activities of standardization, conformity assessment and global participation, cooperation and collaboration BIS has released the details of its signed MoUs with National Standards Bodies (NSBs) of 23 countries. The BIS is also working to review and enhance the cyber-security standards for power utilities and is likely to issue them in next six months. The need for cyber security for power sector was brought to the notice through a report as published by Central Electricity Board. As per the annual report of Global Innovation Policy Center (GIPC) India has substantially improved its score on the latest international Intellectual Property (IP) index and is now ranking 44th out of 50 countries.

Smart Cities is one of the fastest implemented Central government initiatives till date. The next nine smart cities were identified and announced taking the total number of smart cities to 99. Ministry also announced livability index for the total of 116 Indian cities which includes 99 smart cities and is having population of one million plus. The government will require a total investment of about 25.375B Euro for the upgradation of these 99 smart cities. The French development bank AFD is keen to fund 100 million euros for India's smart cities mission and Germany has signed an MoU with India to provide technical cooperation under Sustainable Urban Development programme & Smart Cities in India. The MoU will support approaches for sustainable urban development in integrated planning, provision of affordable housing and basic services with focus on water, solid waste management and mobility.

The Government has also announced many new initiatives in the Automotive sector, primarily with the aim to create an eco-system for green mobility. Govt. has announced a Draft National Auto Policy for comments, which seeks to promote clean and safe mobility and adopt a long-term roadmap to harmonize emission standards with global benchmarks by 2028. The Society of Indian Automobile Manufacturers (SIAM), has also forecasted 100 percent of new electric vehicle sales by 2047. Government is targeting a fully electric fleet for public transport, including buses, taxis and auto-rickshaws under its second phase of FAME (Faster Adoption and Manufacturing of Hybrid and Electric vehicles) India scheme. Automotive Research Association of India (ARAI) is also working on building a facility that will test EV batteries which is a key part of e-Mobility. ARAI has also announced its plan for building the e-mobility centre of excellence (CoE) to test all set of vehicles from two-wheelers to buses.

In the ICT sector, Communication ministry has set up a high-level committee to work on 5G roadmap so that India gets access to the next generation technology timely. The ministry of electronics and IT (MeitY) has also formed four committees to prepare a roadmap for the national artificial intelligence (AI) programme. These committees will focus on services; data platforms; skilling, reskilling and R&D; and legal regulatory and cybersecurity. The Government think tank NITI Aayog, will also offer incentives to startups and venture funds which could work and research in the field of AI. With the number of IoT devices on the rise and the growing need for communication between various IoT-based devices, the Telecom Ministry will soon issue a policy document outlining guidelines to enable the introduction of M2M communication services in India, which will in turn facilitate the expected faster roll-out of the Internet of Things in India. It has already issued a directive to all telecom operators in the country to start issuing 13-digit M2M mobile numbers.

In the Electrical and Consumer Electronics Sector, IoT based Smart Meters would be installed by Tata Power Delhi Distribution Ltd (TPDDL). In the first phase, 250K smart meters would be installed followed by 1.6M smart meters by 2025. TPDDL has also joined hands with French company Électricité de France (EDF) to explore the opportunities in Smart Grid technology in India, and an MoU has been signed in this regard between the two entities. Ministry of Electronics & IT (MeitY) is also busy revising its popular Modified Special Incentive Package Scheme (M-SIPS) to further incentivize electronics manufacturing in India.

India has taken “bold measures” to improve energy access, energy efficiency, and to improve the deployment of renewable sources of energy and is also working closely with European Countries towards clean technologies for sustainable development and this has resulted in India ranking to stand at 78th now, among 114 countries on the World Economic Forum’s (WEF) energy transition index.

These new dynamic technological developments provide Project SESEI, a great opportunity to bring India and Europe closer by creating and building platform for dialogue on sharing of best practices. We are pleased to inform you that Project SESEI is organizing its 3rd Indo-European Dialogue on Standards and Emerging Technology on 26th April 2018 at New Delhi, India. The Conference will focus on the important areas of **ICT covering M2M/IoT & its role in Smart Cities and Cyber Security, Automotive covering Electric mobility and Intelligent Transport System (ITS) and Smart Energy covering Smart Grid, Smart Meter, LVDC, Micro Grid etc.** We invite you to come and join us for this conference and contribute towards strengthening the ongoing dialogue further while hearing latest on these topics from our Indian and European experts.

Happy Reading once again.

Best regards,

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

[Back to contents](#)

[The List of Draft Indian Standards issued by Electronics and Information Technology \(ICT/LITD\) and Electrotechnical \(ETD\) and Automotive \(TED\) division council at BIS for eliciting technical comment along with Automotive at ARAI and ICT activity at TSDSI are available as part of Annexure 1 to this newsletter.](#)

Headlines of the Quarter

Standards, TBTs & IPR

Commerce ministry to devise national strategy on product standards

The commerce ministry has started an exercise to formulate a national strategy for standardisation of products and services with an aim to provide a level-playing field to domestic industry and adopt best practices. The Department of Commerce has floated a [draft Indian National Strategy for Standardisation](#) seeking comments from all concerned stakeholders till March 30. [Read more](#)

India ranks 44 out of 50 nations in global IP index

India has “increased substantially” its score in the latest international Intellectual Property (IP) index, ranking 44th out of 50 countries. India’s overall score has increased substantially from 25 per cent (8.75 out of 35) in the 5th edition of the Index to 30 per cent (12.03 out of 40) in the 6th edition, according to the annual report prepared by the Global Innovation Policy Center (GIPC) of the US Chambers of Commerce. [Read more](#)

Cyber security standards for power utilities

Two BIS groups, which are currently working to review and enhance the cyber-security standards for power utilities, are likely to issue them within next six months. The Central Electricity Authority (CEA) the apex policy advisory body in the electricity sector submitted its report to MoP on July 19, 2017. In this report, it raised the red flag and communicated to the government on “a perceived lack of security built into the smart grid systems” of Indian power sector. [Read more](#)

New issues in WTO important for aspirational India

Commerce and Industry Minister said that aspirational India cannot ignore new issues such as e-commerce in WTO but it has to articulate its position without sacrificing core matters which are important. "We must work on new issues as well. The question is that how do we articulate those issues and take them on board without compromising on some of the core issues that are important for the WTO. [Read more](#)

BIS signed MoUs with NSBs of 23 countries

Bureau of Indian Standards (BIS) signed Memorandum of Understanding (MoUs) with National Standards Bodies (NSBs) of 23 countries with the common aim of strengthening core activities of standardization and conformity assessment. [Read more/Download List of countries](#)

Customs hike to hit \$65 billion imports, may lead to WTO dispute

The government's decision to increase import duty on a number of products will impact at least \$65 billion worth of imports, and could even land the country in a trade dispute at the World Trade Organisation (WTO), experts say. [Read More](#)

Smart Cities

Government announces next nine smart cities

Government of India announced the name of next nine smart cities taking the total number to 99 smart cities. Erode (Tamil Nadu), Diu (Daman & Diu), Biharsharif (Bihar), Itanagar (Arunachal Pradesh), Kavaratti (Lakshwadeep), Bareilly, Moradabad and Sahranpur (Uttar Pradesh) are the nine cities that have made it to the list. [Read more](#)

Three Indian 'Smart Cities' selected among finalists for WWF's One Planet City Challenge

Three Indian cities - Panaji, Pune and Rajkot have been selected as national finalists in the 2017-2018 edition of WWF's One Planet City Challenge (OPCC). These are amongst the 40 finalists out of the 118 cities across 23 countries that participated in the global challenge this year. [Read more](#)

India and Germany signed a MoU on urban development and Smart Cities programme in India

India and Germany have inked MoU for "Implementation Agreement in Sustainable Urban Development and Smart Cities in India. The objective of programme is to develop and apply concepts for sustainable urban development about provision of urban basic services and housing in selected cities and Smart Cities in India. [Read more](#)

France's AFD Keen to Invest in Smart City Project

French development bank AFD has shown interest to fund 100 million euros (around Rs 800 crore) for India's smart cities mission. Agence Francaise de Developement (AFD) is France's development bank that finances and provides technical assistance to projects that improve daily livelihood in developing and emerging countries. [Read more](#)

IITs and European varsities to work in smart cities project

The Indian Institute of Technology-Madras along with IIT-Kanpur will coordinate the smart cities project in the country. The IITs will collaborate with European institutions such as Universidad Polit cnica de Madrid (UPM) and KTH Royal Institute of Technology, Stockholm. Known as a working group of heritage network, it would be focusing on marketing projects, physical engineering and engineering management. [Read more](#)

Finland Companies Enthusiastic About India's Smart Cities Mission

Traditionally, Finland and India have enjoyed cordial international relations with each other. Today, India presents a vast and lucrative market for Finland's technology products and investments. In a recent interview with GOInternational Finland, Finnish Minister of the Environment, Energy and Housing, Kimmo Tiilikainen reiterated the importance of Finland-India bilateral relations. [Read more](#)

Automotive

Government eyes 100% electric public transport through FAME II

Government is committed to make the country's public transport system fully electric under the second phase of FAME India scheme and emphasised that there is a need to increase incentives to promote e-mobility. The pilot phase or phase I of the Faster Adoption and Manufacturing of Hybrid and Electric vehicles in India (FAME India) was launched by the government in 2015, which expires on March 31, 2018. Thereafter, the phase II will be launched. [Read more](#)

ARAI to start testing facility for EV batteries in 6 months

Automotive Research Association of India (ARAI) is working on building a facility that will test EV batteries. The research association of the Automotive Industry with Ministry of Heavy Industries and Public Enterprises, Government of India has also announced its plan for building the e-mobility centre of excellence to test all set of vehicles from two-wheelers to buses.

[Read more](#)

Government caps life of commercial vehicles to 20 years

The government has decided to cap the life of commercial vehicles to 20 years. This means commercial vehicles such as taxis, trucks and buses that were registered before 2000 cannot ply on road from 2020. There will be no age limit for private vehicles, and they will be allowed to ply if they clear fitness test. Government expects at least seven lakh commercial vehicles registered before 2000 will be out of the road in 2020. [Read more](#)

ARAI sets up virtual labs for testing BS-VI engines

With the deadline for the implementation of Bharat Stage VI emission norms looming over the industry, Automotive Research Association of India (ARAI) a Pune-based automotive research lab has decided to take the virtual route to fast-track engine certification. The government has announced an unprecedented jump to BS-VI standards beginning April 1, 2020, from the present BS-IV standards. [Read more](#)

SIAM released White Paper on Electric Vehicles

The paper brought out by the Society of Indian Automobile Manufacturers (SIAM), the apex lobby body of the industry in the country, talks of electric vehicles to account for 100 percent of new vehicle sales by 2047, linking it to the centenary of India's independence. [Read more/Download](#)

Government unveils draft National Auto Policy to promote green mobility

Department of Heavy Industry released draft National Auto policy with an objective to provide a long-term, stable and consistent policy regime and to have a clear roadmap for the automotive industry, making India a globally competitive auto R&D and manufacturing hub and achieving the targeted objectives of green mobility. One of the key components of the draft policy is to promote clean, safe, efficient and comfortable mobility for every person [Read more](#)

NITI Aayg tasks seven ministries to frame guidelines to encourage the use of electric vehicles

After dropping the idea of an electric vehicle policy, the government's think-tank NITI Aayog has tasked at least seven ministries with framing guidelines to encourage the use of such vehicles. Once framed, the NITI Aayog will put these guidelines together as an action plan for promoting the use of electric vehicles (EVs). [Read more/Download](#)

[Back to contents](#)

Government to Restructure Apex Bodies on E-Mobility

With an aim to propel the Centre's e-mobility initiatives, the government is likely to restructure two apex bodies the National Council for Electric Mobility and the National Board for Electric Mobility to ensure better inter-ministerial coordination. The restructuring proposal was mooted by government think tank Niti Aayog for "providing a leadership and inter-ministerial coordination" [Read more](#)

Ministry notifications

- [Draft notification no. G.S.R 196 \(E\) for the linking of PUC with VAHAN database for proper implementation of PUC regime](#)
- [Notification no. GSR 178 \(E\) regarding supplementary notification to BS- VI.](#)
- [Notification no. G.S.R 1483\(E\) regarding Additional Safety Provisions for M1 Category of Vehicles](#)
- [Notification no. G.S.R 1463\(E\) regarding IS Standards for Steering gear and steering effort](#)
- [Notification no. G.S.R 1445\(E\) regarding draft rules for Mass Emission Standards \(Bharat Stage IV\) for quadricycle](#)

ICT including Services

MEITY launches Cyber Surakshit Bharat (Cyber Safe India) to strengthen Cybersecurity

Ministry of Electronics and Information Technology has launched Cyber Surakshit Bharat initiative to strengthen cybersecurity ecosystem in India in line Government's vision for a 'Digital India'. It was launched in association with National e-Governance Division (NeGD) and industry partners. Cyber Surakshit Bharat is first public-private partnership of its kind. It will leverage the expertise of the IT industry in cybersecurity. [Read more](#)

Telecom department to issue guidelines for M2M (Machine to Machine) communication

Department of Telecommunications (DoT) will soon release guidelines for the introduction of M2M) communication services in India. The guidelines are expected to facilitate the roll out of internet of things (IoT) technology in the country. The DoT is currently deliberating on the recommendations made by the Telecom Regulatory Authority of India (TRAI). [Read more](#)

IT ministry sets up panels for artificial intelligence roadmap

The ministry of electronics and IT has formed four committees to prepare a roadmap for the national artificial intelligence programme. These four committees will be for citizen centric services; data platforms; skilling, reskilling and R&D; and legal regulatory and cybersecurity. The ministry will promote high level research in these areas. [Read more](#)

Telcos to start issuing 13-digit mobile numbers to M2M (Machine to Machine) customers in India

In order to provide better security features, Department of Telecom has reportedly issued a directive to all telecom operators to issue 13-digit mobile numbers to M2M customers starting from July 1, 2018. First operators to start working in this direction is state-run BSNL. The existing numbers will reportedly be ported to the new format starting October 1, 2018. [Read more](#)

Government expects to finalize 5G service roadmap by June

Department of Telecom expects to finalise a roadmap for 5G services by June this year. Globally, standards around 5G are expected to be finalised this year. The telecom ministry has set up a high-level committee to work on 5G roadmap so that India gets access to the next generation technology when it is available for commercial roll-out globally. [Read more](#)

Data Security Council of India (DSCI) Focuses On Data Protection And Privacy Law

In the wake of growing cyberattacks, the upcoming Data Protection Law, and increased focus on capacity building for cyber security, (DSCI), an industry body on data protection is planning to roll out initiatives for cyber security and data privacy besides building an ecosystem for the development of start-ups focusing on cyber security solutions in India. [Read more](#)

India's software market to touch USD 5.1 bn by 2018

India's software market is expected to grow at 11.9 per cent year-on-year to touch USD 5.1 billion by the end of 2018, according to research firm IDC. The Indian software market continues to be one of the fastest growing and dynamic markets within the APeJ (Asia Pacific excluding Japan) region. [Read more](#)

Government likely to make (Global Positioning System) GPS mandatory in feature phones

Government is likely to make GPS mandatory in feature phones by withdrawing an exemption it granted earlier, according to official sources. The government ordered all mobile manufacturers in 2016 to mandatorily provide panic button and GPS facility on cell phones to help women in distress but feature and non-smart phones [Read more](#)

Telecom regulator (TRAI) released white paper on measuring broadband speeds

Speed of Internet connection is considered to be most important and fundamental metric to measure broadband experience. This white paper is primarily aimed at presenting a holistic overview of the TRAI MySpeed app, focusing on its measurement methodology, processing of data, related analytics and key observation. [Read more/Download](#)

Telecom Regulatory Authority of India has issued following Consultation Papers

- [Consultation Paper on for Formulation of National Telecom Policy 2018](#). TRAI also formulated the [recommendations](#) being requested by Department of Telecommunications to provide policy inputs.
- [Consultation Paper on Spectrum Allocation for Radio Trunking Services](#)
- [Consultation paper, aiming to fix quality issues on voice services to Long Term Evolution \(LTE\) users including Voice over Long-Term Evolution \(VoLTE\) and CS Fallback](#)

Electrical Equipment including Consumer Electronics

M-Special Incentive Package Scheme may link sops to generation of jobs in phase II

Government's scheme to incentivise electronics manufacturing may undergo a change in its next phase, including to link sops to employment generation. The Modified Special Incentive Package Scheme (M-SIPS), which was launched in 2012, will end in December this year and discussions are ongoing about launching a second phase. [Read more](#)

Smart meters to rationalise electricity consumption in India

The Internet of Things (IoT) solution would be made possible for the first time in India by Tata Power Delhi Distribution Ltd (TPDDL), a joint venture of the Delhi government and Tata Power, which is set to install smart meters and also launch a mobile app for Android (to start with). In the first phase, 2.5 lakh smart meters would be installed in north and north-west Delhi. [Read more](#)

TPDDL signs MoU with French firm to explore opportunities in Smart Grid technology

Power discom Tata Power Delhi Distribution Limited (TPDDL) has joined hands with French company Électricité de France (EDF) and its wholly-owned subsidiary Enedis to explore the opportunities in Smart Grid technology in India. The TPDDL and the EDF will be jointly demonstrating to help de-carbonise the local energy systems and evaluate the Smart Grid technologies in India, using innovative solutions. [Read more](#)

India semiconductor component market to reach \$32 bn

India Electronics and Semiconductor Association (IESA), in collaboration with MarketsAndMarkets launched an industry report on - Indian semiconductor fabless startup ecosystem at this year's Vision Summit. It has revealed that the Indian semiconductor component market is expected to be worth USD 32.35 billion by 2025, growing at a CAGR of 10.1 % between 2018 and 2025. [Read more](#)

Government to amend Electricity Act

The government of India is amending the Electricity Act to levy hefty penalties on power distribution companies for load shedding and to make provision for subsidy transfer. The amendments are proposed in the Act to make 24x7 power supply mandatory and also to allow direct transfer of subsidy from state governments to consumers. [Read more](#)

63 solar micro grids of 1899 kWp aggregated capacity reported to be installed in India

Minister of State (IC) for Power and New & Renewable Energy, in a written reply to a question on steps taken by Government to explore the solar micro grid model in the country, in Lok Sabha informed that under the Solar Off-grid and Decentralized Applications Programme, so far 63 solar micro grids of 1899 kWp aggregated capacity have been reported to be installed in the country [Read more](#)

R&D and Innovation

Bharat Forge sets up e-mobility R&D centre in UK

Pune-based auto components major Bharat Forge has opened a research and development (R&D) facility in Britain for developing components and sub-systems focused on electric vehicles (EV). This facility at the Mira Technology Park will complement the capabilities and knowledge established over the past 2 years in Kalyani Centre for Technology & Innovation [Read more](#)

Govt sanctions Rs 1000 cr (133M Euro) for the Impacting Research Innovation and Technology (IMPRINT)-II

Human Resource Development Minister Prakash Javadekar on Tuesday said that in a major boost for research and innovation in the country, the Central Government has sanctioned a sum of Rs 1000 crore (133M Euro) for the phase two of the IMPRINT India programme. [Read more](#)

UK and India upgrade joint research on clean water and clean energy

India and United Kingdom jointly launched research projects on 'Water Quality Research' and 'Energy Demand Reduction in Built Environment'. Both the projects will be implemented with a total joint investment of up to 15 million pounds. These projects aim to deliver mutual benefits and research solutions the UK and India, besides addressing shared global sustainable development goals [Read more](#)

Govt To Offer Incentives For Startups, Businesses Working In Key AI Sectors

The National Institution for Transforming India or NITI Aayog, the policy think tank of Government of India, is set to offer incentives to startups and venture funds which could work and research in the field of artificial intelligence (AI). [Read more](#)

Manufacturing / Make in India

India gets 30th rank in manufacturing index

World Economic Forum (WEF) ranked India at 30th position on a global manufacturing index below China's 5th place but above other BRICS peers, Brazil, Russia and South Africa. Japan has been found to have the best structure of production in the WEF's first 'Readiness for the future of production report' and is followed by South Korea, Germany, Switzerland, China, Czech Republic, US [Read more](#)

Indian government identifies 21 key sectors for specific actions under the Make in India action plan

Under the "Make in India" action plan 21 key sectors have been identified for specific actions under: (i) policy initiatives (ii) fiscal incentives (iii) infrastructure creation (iv) ease of doing business (v) innovation and R&D and (vi) skill development. Under this, the FDI policy and procedure have been simplified and liberalised progressively. [Read more](#)

Centre taking steps for smart manufacturing

The heavy industries and public enterprises ministry is supporting setting up of four centres in the country to facilitate SMEs implement Industry 4.0. These centres would be set up this year. Industry 4.0 is the next level of industrial revolution encompasses use of robotics, artificial intelligence, smart manufacturing and increasing digitisation. [Read more](#)

New industrial policy to increase share of manufacturing in GDP

India's new industrial policy will foster the manufacturing industry and increase its share in the overall GDP of the country The commerce minister informed that the draft policy is ready and the ministry is in the process of consulting experts for their views and opinions. [Read more](#)

Energy Efficiency-Environment

EIB and IREDA sign Euro 150 million Loan Agreement for Renewable Energy Financing

European Investment Bank (EIB) and Indian Renewable Energy Development Agency (IREDA) Ltd. have signed a loan agreement for a second line of credit (LoC) of Euro 150 million on non-sovereign basis. The line of credit is for tenure of 15 years including a grace period of 3 years, and it will be used for financing Renewable Energy and Energy Efficiency projects in India. [Read more](#)

India ranks 78th on WEF energy transition index

India has been ranked at 78th, lower than its emerging market peers like Brazil and China, among 114 countries on the World Economic Forum's (WEF) energy transition index that was topped by Sweden. According to the report India has taken "bold measures" to improve energy access, energy efficiency, and to improve the deployment of renewable sources of energy. [Read more](#)

Government pushes for alternative fuels, electric vehicles in bid to curb air pollution

Government is making a big push to promote alternative fuels. Showing that it means business, it has prepared a detailed blueprint to spur investments in the use of bio-ethanol produced from a ligno-cellulosic biomass and not the conventional molasses-based ethanol production. [Read more](#)

Government Proposes Rs 23,450 Crore (USD 3.12 billion) Rooftop Solar Scheme

The Ministry of New and Renewable Energy (MNRE) has prepared a concept note on 'Sustainable Rooftop Implementation for Solar Transfiguration of India (SRISTI)' to the tune of Rs 23,450 crore (3.12B Euro) to state power distribution companies, or discoms, for installation of rooftop solar plants in residential sectors. [Read more](#)

EU-INDIA/Trade-FTA/Investments

India,France commit to boost bilateral trade; relaunch EU FTA

India and France today committed to increase bilateral trade to 15 billion euro by 2022 and "timely relaunching" of negotiations on the India-EU free trade agreement. Both the countries also stressed on the importance of "open and inclusive global trade" and vowed to work together with all members of the World Trade Organisation (WTO) for an "open and inclusive global trade". [Read more](#)

European development bank approves India's membership

India is all set to become the 69th member of the European Bank for Reconstruction and Development (EBRD) after shareholders of the international financial institution gave their nod to the country's candidature. The formal membership process will now get underway, which includes the purchase of shares by India at an estimated cost of around 1 million euros. [Read more](#)

Invest India

India fifth most attractive market for investments

India has emerged as the fifth most attractive market for investments and the optimism over global economic growth is at a record level, a survey of global consultancy PwC said. The US remains the top spot for global investment, while India moves into the top 5. [Read more](#)

Govt appoints 4 institutes to push India's ranking in ease of doing business index

The Commerce and Industry Ministry has appointed four institutes, including IIFT and ICAI, to interact with stakeholders and suggest measures to push India's ranking in ease of doing business index. The National Institute of Construction Management and Research (NICMAR), the Indian Institute of Foreign Trade (IIFT), the Institute of Company Secretaries of India (ICSI) and the Institute of Chartered Accountants of India (ICAI) are the four institutes that have been roped in for the exercise. [Read more](#)

Govt. reviews foreign direct investment (FDI) policy in various sectors

Government of India has reviewed foreign direct investment policy in certain sectors with a view to attracting more overseas funds, sources said. The sectors, which could be considered for further relaxation, include construction and single brand retail. [Read more](#)

Events:

[Indian Mobile Congress 2018: on 25-27 October, 2018 Pragati Maidan, New Delhi, India](#)

The 3-day event will provide insights to the current and future mobile related technological developments, next generation services and open new vistas of growth therein. The event will also offer discussions and the deliberations around the themes Technology, Business, Policy and Digital Life. For more information please [click here](#)

[4th Smart Cities India 2018 Expo: on 23-25 May 2018, Pragati Maidan, New Delhi India](#)

Developing citizen friendly and economically viable cities is an urban initiative by the Government of India. Cities are engines of economic growth, and it is anticipated that 40% of India's population will live in cities by 2030. With the rapid rise in the proportion of people living in urban areas, there is an increasing requirement for sustainable cities. For more information please click [here](#) Conference programme is available [here](#)

[International Seminar on Cyber Security: on May 16, 2018, Bombay Exhibition Centre, Mumbai, India](#)

The objective of the conference would be to provide a 360-degree exploration of cyber security and facilitate develop a cyber resilience strategy for the nation, corporate and organisations. For more information please [click here](#)

[Global Renewable Energy Investors Meet & Expo: 19 April 2018, India Expo Centre and Mart, Greater Noida, Noida](#)

The Ministry of New and Renewable Energy (MNRE), Government of India is organising the second edition of the biennial Global Renewable Energy Investors Meet & Expo, RE-INVEST, from 19-21 April 2018 at the India Expo Centre, Greater Noida, National Capital Region of Delhi. For more information please [click here](#)

5G India congress 2018: on 20 April 2018, Le Meridien New Delhi, Delhi

5G India Congress aim to become Indias best platform for all stakeholders including network operators, Government & technology providers to come together to discuss about the 5G development for next generation communications in India. For more information please [click here](#)

3rd Indo European Conference on Standards and Emerging Technology: on 26th April 2018, The Lalit, New Delhi, Crystal Ballroom, Barakhamba Avenue, New Delhi, Delhi, India

The 3rd Indo European Conference on Standards and Emerging Technology is being jointly organized by European Committee for Standardization (CEN) European Committee for Electrotechnical Standardization (CENELEC), European Telecommunications Standards Institute (ETSI), European Commission's Directorate General for Internal Market, Industry and Entrepreneurship (DG GROW), European Free Trade Association (EFTA) in the framework of its Project SESEI in association with Confederation of Indian Industry (CII). [Read more](#)

2nd edition of Seminar on Intellectual Property Rights (IPR) & Exposition on Innovations 2018: on Apr 26, 2018, Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM) Nagpur, Maharashtra, India

The objective of the Conference is to create awareness, embrace Innovation and Intellectual Property Right driven ecosystem amongst stakeholders and Industry. For more information please [click here](#)

World IoT Summit 2018: on 12th April, Bangalore, India

"Internet of Things: Link your World" - Exploring the latest happening in IoT Industry and how the Internet of Things will offer businesses and consumers. The conference explores how the Internet of Things will re-shape our interactions with the real and virtual worlds in the coming years. For more information please [click here](#)

Indian Telecom 2018 on 27th – 28th April, 2018, New Delhi

India Telecom conference 2018 (10th edition of event) is India's leading international ICT platform for the global community to connect, debate, network and share knowledge. India Telecom is jointly organized by the Department of Telecommunications, Ministry of Communications, Government of India, and Federation of Indian Chambers of Commerce & Industry (FICCI), with support from several prominent industry associations since 2006. For more information please [click here](#)

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

- [LITD 06 \(12339\) : LOW-FREQUENCY CABLES AND WIRES WITH PVC INSULATION AND PVC SHEATH Part 4 Cables in pairs, triples, quads and quintuples for inside installations \(Second Revision\) ICS 29.060.10;29.060.20](#)
- [LITD 11\(12344\) : COAXIAL COMMUNICATION CABLES Part 1 Mechanical test methods Section 308 Test for tensile strength and elongation for copper-clad metals \(First Revision\) ICS 33.120.10](#)
- [LITD 06 \(12343\) : RADIO FREQUENCY AND COAXIAL CABLE ASSEMBLIES Part 2 Sectional specification for flexible coaxial cable assemblies Section 1 General \(First Revision\) ICS 33.120.10](#)
- [LITD 06 \(12342\) : GUIDE FOR DESIGNING DETAIL SPECIFICATIONS OF RADIO-FREQUENCY COAXIAL CABLES \(First Revision\) ICS 33.120.10](#)
- [LITD 06 \(12340\) : CALCULATION OF D.C. RESISTANCE OF PLAIN AND COATED COPPER CONDUCTORS OF LOW-FREQUENCY CABLES AND WIRES – APPLICATION GUIDE \(First Revision\) ICS 29.060.01](#)

[Back to contents](#)

- [LITD 06 \(12338\) : LOW-FREQUENCY CABLES AND WIRES WITH PVC INSULATION AND PVC SHEATH Part 2 Equipment wires with solid or stranded conductor wires, PVC insulated, in singles, pairs and triples \(First Revision\) ICS 29.060.10; 29.060.20](#)
- [LITD 06 \(12337\) : LOW-FREQUENCY CABLES AND WIRES WITH PVC INSULATION AND PVC SHEATH Part 1 General test and measuring methods \(Second Revision\) ICS 29.060.10; 29.060.20](#)
- [LITD 06 \(12341\) : MULTICORE AND SYMMETRICAL PAIR/QUAD CABLES FOR DIGITAL COMMUNICATIONS Part 1: Generic specification \(First Revision\) ICS 33.120.20](#)

Electrical Equipment including Consumer Electronics (ETD)

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

- [ETD 06 \(12325\) : SOLID CORE PORCELAIN INSULATORS FOR OVERHEAD TRACTION LINES – SPECIFICATION \(Second Revision\)](#)
- [ETD 02 \(12367\) : Recommended test methods for determining the relative resistance of insulating materials to breakdown by surface discharges \(First revision of IS 11221 : 1984\)](#)
- [ETD 02 \(12370\) : Resin Based Reactive Compounds Used for Electrical Insulation – Part 3: Specifications for individual materials – Sheet 5: Unsaturated polyester based impregnating resins \(First revision of IS 13465 \(Part 3/See 6\) :2006\)](#)
- [ETD 02 \(12369\) : Flexible insulating sleeving – Part 1: Definitions and general requirements \(First revision of IS 11654 \(Part 1 \) : 1986\)](#)
- [ETD 02 \(12368\) : Test procedure for thermal endurance of insulating resins and varnishes for impregnation purposes – electric breakdown methods \(First revision of IS 11256 \(Part 1 \) : 1985\)](#)
- [ETD 02 \(12380\) : Electric strength of insulating materials – Test methods – Part 1: Tests at power frequencies \(First revision of IS 2584 : 1963\)](#)
- [ETD 02 \(12381\) : Flexible insulating sleeving – Part 2: Methods of test \(First revision of IS 11654 \(Part 2\) : 1986\)](#)
- [ETD 44 \(12384\) : Safety of machinery – Electrical equipment of machines – Part 11: Requirements for HV equipment for voltages above 1 000 V or 1 500 V d.c. and not exceeding 36 kV](#)
- [ETD 44 \(12387\) : Safety of machinery – Electrical equipment of machines – Part 34: Requirements for machine tools](#)
- [ETD 44 \(12386\) : Safety of machinery – Electrical equipment of machines – Part 33: Requirements for semiconductor fabrication equipment](#)
- [ETD 44 \(12385\) : Safety of machinery – Electrical equipment of machines – Part 31: Particular safety and EMC requirements for sewing machines, units and systems](#)
- [ETD 44 \(12365\) : Safety of machinery – Electrical equipment of machines – Part 1: General requirements \(first revision\)](#)
- [ETD 09 \(12445\) : Elastomer Insulated Flexible Cables for use in Mines - Specification \(First Revision\)](#)

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

- [TED 24 \(12321\) W : Pallets for materials handling – Vocabulary \(Adoption of ISO 445:2013\)](#)

[Back to contents](#)

- [TED 14 \(12319\) W : Space systems — Programme management — Project organization \(Adoption of ISO 11893 : 2011\)](#)
- [TED 14 \(12317\) W : Air cargo and ground equipment — Vocabulary \(Adoption of ISO 10254: 2016\)](#)
- [TED 14 \(12318\) W : Aerospace series — Terminology for clamping devices \(Adoption of ISO 16682:2015\)](#)
- [TED 24 \(12377\) : Child-resistant packaging — Requirements and testing procedures for reclosable packages \(First Revision\) \(Adoption of ISO 8317 : 2015\)](#)
- [TED 27 \(12444\) : Electricity propelled mopeds and motorcycles — Test specification and safety requirements for lithium-ion battery systems \(Identical adoption of ISO 18243:2017\)](#)
- [TED 27 \(12441\) : Electricity propelled road vehicles — Test specification for lithium-ion traction battery packs and systems — Part 1: High-power applications \(Identical adoption of ISO 12405-1:2011\)](#)
- [TED 27 \(12443\) : Electricity propelled road vehicles — Test specification for lithium-ion traction battery packs and systems — Part 3: Safety performance requirements \(Identical adoption of ISO 12405-3:2014\)](#)
- [TED 27 \(12442\) : Electricity propelled road vehicles — Test specification for lithium-ion traction battery packs and systems — Part 2: High-energy applications \(Identical adoption of ISO 12405-2:2012\)](#)

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

- [Draft AIS-010 \(Part 1\) \(Rev. 2\): Provisions concerning the Approval of Headlamps emitting an Asymmetrical Passing Beam or a Driving Beam or both and equipped with Filament Lamps and/or LED Modules \(Last date for comments: 10th February 2018\)](#)
- [Draft AIS-010 \(Part 5\) \(Rev. 2\): Requirements of Chromaticity Co-ordinates of Colour of Light emitted from Lighting and Light-Signalling Devices \(Last date for comments: 10th February 2018\)](#)
- [Draft AIS-148: Automotive Vehicles - Requirements of Footrests for Two-wheeled Motor Vehicles \(Last date for comments: 15th February 2018\)](#)
- [Draft Amd. 5 to AIS-007 \(Rev. 5\): Information on Technical Specifications to be submitted by the Vehicle Manufacturer \(Last date for comments: February 15, 2018\)](#)

ICT at TSDSI

Activities at TSDSI			
"List of New Item for Proposal at TSDSI"			
New Item Proposal	Name	Version	Status
NIP202	Study on spectrum requirements and impacts of IoT services on cellular network	TSDSI-SG1-NIP202-V1.0.0-20180315	Accepted
NIP201	Defining standards for dual sim devices (Smartphones) including DSDS, DSDA and DSDV implementations.	TSDSI-SG1-NIP201-V1.0.0-20180315	Accepted

NIP200	Study and develop architecture for Information Centric Networking (ICN)	TSDSI-SG2-NIP200-V1.0.0-20180306	Accepted
NIP199	A unified Broadband PPDR Communication System for India	TSDSI-SG2-NIP185-V1.0.1-20180129	Accepted
NIP197	WI proposal for Cloud Service Specification	TSDSI-SG2-NIP197-V1.0.0-20180129	Accepted
NIP196	LS to transpose 3GPP specs on security by DOT	TSDSI-SG2-NIP196-V1.0.0-20180117	Accepted
NIP187	PCG Approval of contributions to the ITU	TSDSI-SG1-NIP 187-V1.0.0-20180112	Approved
NIP186	Discussions on the 60Ghz for 4G/5G backhaul on the 60Ghz for 4G/5G backhaul	TSDSI-SG1-1-[NIP 186]-V1.0.0-20180111	Approved as SI
NIP185	A unified Broadband PPDR Communication System for India	TSDSI-SG2-NIP185-V1.0.0-20180111	Accepted
NIP184	Development of Standards for Interoperability and Portability of Cloud Services	TSDSI-SG2-NIP184-V1.0.0-20180110	Accepted
NIP183	LS on Standards for Cloud Computing Interoperability	TSDSI-SG2-NIP183-V1.0.0-20180104	Accepted

[For complete details of the NIP please click here](#)

“Status update of Study Items at TSDSI”

Study Item	Name	Version	Status
SI59	SI for study of channel characteristics for 60 Ghz for 4G/5G backhaul	TSDSI-SG1-SI59-V1.0.0-20180314	SG/WG approved
SI58	Study item for NIP 199	TSDSI-SG2-SI58-V1.0.0-20180221	Initiated
SI57	Study Item for NIP 196	TSDSI-SG2-SI57-V1.0.0-20180220	Initiated
SI56	High Power UE	TSDSI-SG1-NIP165-[SI56]-V1.0.0-20180118	SG/WG approved
SI55	LS from ITU-R titled "Addendum 3 to Circular Letter 5/LCCE/59 on candidate RIT proposals for IMT-2020 and their subsequent evaluation"	TSDSI-SG1-SI55-V1.0.0-20171222	Initiated

[For complete details of the Study Items please click here](#)

“List of Work Item status update”

Work Item	Name	Version	Status
No new Work Items introduced since last quarter			
For complete details of the Work Items (WI) please click here and select Work Items			
“List of SWIP Status Update”			
SWIP	Name	Version	Status
SWIP562	List of proposed changes to be introduced to 38.211 to enable pi/2 BPSK with data precoding for 5G NR phase-1 for both FR1 (sub 6GHz) and FR2 (mmwave) bands	TSDSI-SI41-SWIP562-V1.0.0-20180316	Accepted
SWIP561	Skeleton for the TR for study	TSDSI-SI58-SWIP 561-V1.0.0-20180315	Accepted
SWIP560	SWIP on the Study of Architecture, network topology and link budget for 60 GHz for Backhaul	TSDSI-SI59-SWIP560-V1.0.0-20180314	Accepted
SWIP559	Proposed TR skeleton for BroadBand PPDR study item	TSDSI-SI58-SWIP559-V1.0.0-20180314	Accepted
SWIP552	Initiating the work on RIT/SRIT submission for IMT-2020	TSDSI-SI41-SWIP552-V1.0.0-20180110	Accepted
SWIP551	Further changes in the CPRI-T document.	TSDSI-WI1-SWIP551-[SI39]-V1.0.0-20180109	Accepted in principle
SWIP545	Final LS draft to ITU-R regarding IMT2020 submission	TSDSI-SI41-SWIP545-V1.0.0-20180108	Approved
For complete details of the SWIP please click here and select SWIP			

[Back to contents](#)

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 = 70 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.

[Back to contents](#)

SESEI

European Business and Technology Centre
DLTA Complex, South Block, 1st Floor
1, Africa Avenue, New Delhi 110029
Mobile: +91 9810079461
Desk: +91 11 3352 1525 Board: +91 11 3352 1500
Fax: +91 11 3352 1501
E-mail: dinesh.chand.sharma@sesei.eu
www.sesei.eu

CEN - European Committee for Standardization www.cen.eu
CENELEC - European Committee for Electro Technical
Standardization
www.cenelec.eu
ETSI - European Telecommunications Standards Institute
www.etsi.eu
EC - European Commission
www.ec.europa.eu
EFTA - European Free Trade Association
www.efta.int