

Quarterly Report No. 10

Standards, Policy and Regulation

(‘July – September’ 2018)

July’ 2018

SESEI 3 – Dinesh Chand Sharma

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1. Executive Summary

We are pleased to present the 10th quarterly report for the period July 2018 till September 2018, providing updates related to policies, regulations, legislations and new standards concerning the SESEI priority sector.

The new Indian Government, which came into power in mid of 2014, now look forward for its general election. The Government's vision for India by this current government has brought about many new and ambitious projects, like 100 Smart Cities, Make in India, Digital India, Swacch Bharat, Electric Mobility by 2030, etc. This vision and commencement of these projects aligned with the very objective of the SESEI Project for technical collaboration in the field of standardization and related policy, legislation and research activities between India and Europe. It is assuring to know that SESEI Project has been able to make inroads into the Indian Standardization system and is working very closely with the government, academia, industry institutions and standardization bodies on important issues like 5G, Intelligent Transport, IoT and M2M, Security, Ropeways, e-mobility, LVDC, Grid/Meter modernization.

Moving forward, 2019 will be a decisive year for India as the elections will take place during April / May for electing the new government, result of which will have deep impact on the existing initiatives, policies and projects. This will also coincide with the closure of SESEI-3 in June 2019.

During this quarter, we have updates on the Public procurement orders issues for Telecom and Electronic goods. The Public procurement policy has mandated giving preference to locally produced products and services in all public procurement where intellectual property rights are owned by companies or start-ups incorporated in India. The Draft E- Commerce policy also makes a strong case for championing 'Indian' online enterprise and may have major implications for foreign-owned ecommerce majors operating in India. It prioritizes e-commerce brands which have already been set up in India and has clauses that discourage the free inflow of foreign capital in e-commerce. This could end up complicating things for the entire Indian e-commerce ecosystem, including consumers.

Automotive sector is buzzing with activity as the Niti Aayog (Government of India's Think Tank) is working on policies related to shared mobility, intelligent transport, electrical mobility etc. It is also working on a fresh policy for promotion of electric vehicles, which will be rolled out initially on a smaller scale to ensure smoother transition and better cooperation from the automobile sector, a government official said. According to the fresh proposal, the government will first begin creating favourable ecosystems in nine polluted cities with a population of over four million, and gradually move to cities with populations of one million-plus. The Union government also plans to provide ₹1,000 crore (125 euro million) as subsidy to kick off building a nationwide charging infrastructure for electric vehicles as it seeks to expedite the roll-out of India's ambitious EV programme.

The Government also attaches high priority to electronics hardware manufacturing and it is one of the important pillars of both "Make in India" and "Digital India" programmes. The government has released the draft of the National Electronics Policy 2018, aiming for a turnover of \$400 billion in domestic electronics manufacturing by 2025, along with promoting ease-of-doing business for the entire electronic system design and manufacturing (ESDM) sector, and encouraging industry-led research and development and innovation in all sub-sectors of electronics. The policy aims to also push the startup



ecosystem in emerging technology areas such as 5G, Internet of Things, artificial intelligence and machine learning, and their applications in areas such as defence, agriculture, health, smart cities and automation. It is also targeting to develop core competencies in all the sub-sectors of electronics, including electronic components and semiconductors, telecommunication equipment, medical electronics, defence electronics, automotive electronics, industrial electronics, strategic electronics, etc.

Artificial Intelligence, 5G and IoT has also taken predominance in the ICT sector in India. The 5G High Level Forum constituted by the Ministry of Communication released its report in which detailed recommendations on the roadmap for early and smooth deployment of 5G technologies is provided. With the arrival of IoT and M2M technologies, Data protection, privacy and security have taken a center stage. The government had set up a committee under the chairmanship of retired Supreme Court judge Srikrishna in August last year to submit a report on the data protection law which was keenly awaited by all for its implications on data handling and processing practices by both Indian as well as foreign companies including government departments. The Justice Srikrishna Committee's much-awaited draft Personal Data Protection Bill 2018, is out and if implemented could address some of the burning issues around privacy of personal information in India. Ministry of Electronics & IT (MEITY) has made this draft act publish for wide consultation and now after report covers update on important meetings and event addressed by SESEI expert in the first section of the report and for more information on these including list of queries, please refer Activity Tracker report submitted as "**Annexure -2**_Activity Tracker Quarterly Report No 10" with this quarterly report. List of draft standards released by Indian Standards organization during this quarter is also available as **Annexure-1** with this quarterly report.

I would like to conclude this report with wishing all of you a very Happy Diwali, which is an Indian festival of lights, hope and prosperity.

Looking forward to your comments and suggestions as always.

Happy reading!!!

Dinesh Chand Sharma
(Seconded European Standardization Expert in India)
Director – Standards & Public Policy



2. Key Meetings, Event Participation and Queries

SESEI expert during this quarter period (July 2018 – September 2018) carried out various important meeting, participated in many event, workshops and addressed various queries as summarized below.

Sr. No.	Description	Total Until now	In Last Quarter
1	External Meetings	266	25
2	Internal Meetings	107	8
3	Events/Seminar/Workshop/Roundtable	138	12
	Total	511	45
4	No of Queries	187	19

Detail of few key meetings and event/workshop participation is briefly summarized below which are essential to help achieving the objectives of the SESEI project. For detailed information on these key meetings, events/workshop participations and list of queries addressed, please refer Activity Tracker report submitted as “Annexure -2_Activity Tracker Quarterly Report No 10” to this report.

Key Meetings:

Following are the list of key meetings, SESEI expert addressed during the last quarter.

Meetings with BIS

Cooperation and best practices: Standardization strategy:

- **Meeting with International Relations Department (IRD) Head, BIS** to discuss India task force establishment at CEN-CENELEC, Long-Term Strategy items, National implementation plans. Introduction with new DDG Standardization, China conference organized by Chengdu Institute of Standardization.

Smart City:

- **3rd and 4th meeting of BIS LITD 28 - Smart Infrastructure Sectional Committee:** SESEI expert is a member to this technical committee at BIS LITD 28. The main agenda of these meeting was creation of Study Group 5 on 5G for smart city infrastructure, Review of draft report on Pre-standardization for Active Assisted Living, harmonized Common Last-mile Communication Architecture approach, etc. SESEI expert align EU work around EN 301549, OneM2M, smart city & smart manufacturing etc.

Research and Innovation:

- **Meeting between BIS & EU Delegation Office** to address the action item from earlier bilateral meetings on organizing a session with Research Unit of EU Delegation officers and explore areas of cooperation b/w EU and India’s senior official.

Electronics:

- **BIS-Industry Interaction with Electronics & IT Sector** to engage with the Industry Associations for elaborate discussion and brain storming to decide future plan work of BIS. SESEI expert on behalf of electronics industry suggested EU best practices & issue faced by industry around CRO/CRS etc.

Meetings with DoT and other Government Bodies:

ICT:

- **Interaction with Dr. R. S. Sharma, Chairman, TRAI** as organized by FICCI to have discussion on Draft Personal Data Protection Bill, 2018. SESEI expert monitoring this subject & reporting EU practices on it and works with industry to align it with GDPR etc.
- **Meeting with Mr. R.K.Pathak, DDG (IC), DoT** to discuss issues related to TEC membership of ETSI, establishment of Joint Coordination Group on areas of convergence, 5G HLF report way forward, Data Privacy policy, etc.
- **Meeting with Mr. U K Srivastava, Principal Advisor TRAI** to discuss way forward on implementation of Data Privacy Recommendation released by TRAI.

Meetings with EU delegates, EU project officers & officials from EU delegation in India:

Generic: Cooperation:

- **Meeting with Philip Grinsted, Advisor (Conformity Assessment & Accreditation)**, Global Project Quality Infrastructure - India, GIZ to discuss their yearly work plan, explored the possibilities of SESEI and GIZ working together to address some of the key areas which are common to the SESEI project and GIZ project.

Automotive:

- **Meeting with Mr. DE VROEY Christophe (EEAS-NEW DELHI) and team members** to share the standardisation activities around Automotive Sector and share more on the scope of project SESEI and EU proposed cooperation with India around automotive.

Meetings with Industry & Associations:

ICT:

- **Meeting with Mr. Kapil Parashar from Vyom Technologies** to discuss IoT and M2M related issues specifically around Smart Living, safety and Health IoT projects.



- **Meeting with Shri N K Mathur a retired DoT senior official** to discuss ICT topics for standards and policy with SESEI.
- **Meetings of the IET - IoT Panel – SESEI is the Chairman of the Standards, Legal & Regulatory (SLR) WG**
 - Meeting with senior officials and Working Group Chairman of IET - IoT Panel
 - Meeting with Dr. Rishi Bhatnagar, Chair IET IoT to discuss the upcoming IoT Congress 2019
 - F2F meeting of the SLR Working Group to discuss the Special session on Standards and release of White Paper at the IoT Congress.
- **Meetings of Indian M2M+IoT Forum - SESEI is the Chairman of the Advisory Committee**
 - Meetings to discuss the agenda and programme for India M2M+IoT forum Congress and the Curtain Raiser Ceremony.
 - Endorsements and Partnerships for the India M2M+IoT forum and the topics and subjects which need to be highlighted during the conference
- **Conference call Meeting with Mr. Pranay Gadodia, Internal Mobility Consultant – Human Resources DBOI Global Services Private Ltd.** to discuss the leadership level roundtable discussion on promoting digital accessibility in Deutsche Bank group.

Smart city & ICT:

- **Meeting with Dr Sriram Birudavolu, Vice-President at T-Hub** to discuss the activities being carried out at T-Hub on technology diffusion and implication of harmonization of standards in topics covering Smart Agriculture, Fintech, Health, Smart Cities, Mobility, Sustainability, Deep Data, Edutech etc.

Ropeways:

- **Follow-up meeting with Mr. Arvind Bhatia and Mr. Vikram Singhal of Doppelmayr** to discuss the strategy on CEN Standards implementation as part of NITI AAYOG MCA document.

Generic & Electronics:

- **Meeting with DG MAIT (Manufacturer Association of Electronics & IT products)** to discuss the representation to BIS on EU best practices & industry concern around CRO/CRS during their Industry Interaction called by BIS.
- **Skype call meeting with Mr. Anurag Mohindra to discuss CRO process** – Smart Watch, Battery and Cell approval is with BIS through MSAI.

Electrical equipment and e-mobility:

- **Conference Call of ISGF Working Group-6: Flexibility & E-Mobility** to discuss the next level of activities for this working group and case studies.



Meetings with Project Partners:

- **Plenary meeting of CEN CENELEC Coordination Groups** on Smart Energy Grids and Smart Meters
- Follow-up Meetings with Eric Marchand (CCMC), Ms. Margot Dor and Mr. Xavier Piednoir (ETSI) to discuss the pending action items.
- Call with Mr. Ashok Ganesh and Mr. Eric Marchand, CENCENELEC to discuss on India Task Force, Bilateral Meeting with BIS etc at the sidelines of IEC GA.
- Meeting with Ms. Briard Ines on Smart Cities & ICT, Smart Manufacturing (AI)
- **First Conference call meeting of Task Force India** to prepare long-term strategy objective and action plan 2019.

Key Event Participations:

Generic:

- **Training programme for BIS Technical Committee Members:** SESEI was nominated by BIS, TED 28 (member) to attend a two day training program at the National Institute for Training for Standardization (NITS), to acclimatize and sensitize members/ stakeholders with the concept on process of formulating standards to increase awareness on standards formulation work.
- **Guest Lecture to the MBA students at the Delhi School of Business** on Importance and Need for standardization.

ICT and smart city:

- **2nd China-South Asia Standardization Cooperation Conference**, Chengdu China and delivered a presentation on Project SESEI and the "India's Digital Infrastructure: Status, Standardization & Challenges"
- **Workshop on "5G Imperatives for Smart Cities"** organized by BIS LITD 28 - Smart Infrastructure Sectional Committee. SESEI expert is a member of LITD 28 & 5G HLF at DoT.
- **5G India Leadership Summit 2018** Organized by Konnect World: SESEI moderated a technical session on "Defining the Roadmap for 5G Deployment".
- **Curtain Raiser ceremony of India M2M+IoT 2019:** SESEI Chaired the entire proceeding and DoT Special Secretary was the chief guest for the ceremony.
- **IBM Data Summit** to understand the view point of the policy makers and industry around Data privacy & Security.



Smart city:

- **National Summit on 100 Smart Cities India:** SESEI moderated Technical session on "Transforming India towards Smart Cities" and promoted OneM2M.

Electronics:

- **Workshop by ITU APT Foundation of India** on "Mandatory Testing and Certification of Telecom Equipment - Interactive discussions and Live demo of the Portal"

Energy efficiency & Environment:

- **Circular Economy Mission to India:** SESEI participated as face of EU delegation in the discussion to raise awareness on the European Standardization System, Values and Assets in India: ICT, Automotive, Electrical Equipment Including Consumer Electronics & Smart Cities.

Key Queries addressed:

Generic:

- Response to a query regarding ITU, TEC membership of ETSI and prominent standardization bodies around the world: Telecom Engineering Centre, Department of Telecom
- Updates on the Indian National Standardization Strategy: CEN-CENELEC

Automotive:

- Inputs to ITS strategy paper as drafted by NITI Agog: NITI Aayog
- Query on EU and Indian automotive standards: Delegation of the European Union to India.
- Details on role European standardization bodies (CEN, CENELEC & ETSI) and shared a short report on ITS in Europe: Chairman BIS Technical Committee on ITS

ICT:

- Ongoing work within ETSI in the realm of 5G and future technologies: TEC, DoT
- Provided information on European standard EN 301 549 "Accessibility requirements suitable for public procurement of ICT products and services in Europe": DBOI Global Services Private Limited.
- Inputs on the TRAI's recommendations on 'Accessible ICTs for Persons with Disabilities' to the DoT: Broadband India Forum

ICT/Electronics:

- Query regarding utilization/benefits of standards by industry, Gap/Challenges in standards and emerging areas for future standardization: MAIT



Smart Manufacturing:

- Provided Inputs to Pre-standardization study report on Smart manufacturing as drafted by BIS: Bureau of Indian Standards

Ropeways:

- List of CEN standards which are applicable for ropeways and provided details on standards related to production & safety of product: M & M Ropeways, Chandigarh, India

Gym/Fitness:

- List of standards related to Fitness Centres/ Gym which are developed in European Union/CEN: BIS

3. Generic Update

3.1 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. The government has mandated giving preference to locally produced cyber security products in all public procurement where intellectual property rights are owned by companies or start-ups incorporated in India. The Ministry of Electronics and Information Technology (MeitY) said in an order that it "hereby notifies that Cyber Security being a strategic sector, preference shall be provided by all procuring entities to domestically manufactured/produced Cyber Security Products". The notification is based on Public Procurement (Preference to Make in India) Order 2017 which aims at enhancing income and employment in the country. According to the order, the preference will be granted to a company which is incorporated and registered in India or startup firms that meet the definition as prescribed by the Department of Industrial Policy and Promotion (DIPP), provided the revenue from the product and intellectual property (IP) licensing accrues to the firm in India. Firms claiming to own IP for the product will be required to furnish evidence of the ownership as per the rule.

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3.2 India joining world intellectual property treaties

The Union Cabinet chaired by Prime Minister Shri Narendra Modi has approved the proposal submitted by Department of Industrial Policy and Promotion, Ministry of Commerce and Industry regarding accession to the WIPO Copyright Treaty and WIPO Performers and Phonograms Treaty which extends coverage of copyright to the internet and digital environment. The approval is a step towards the objective laid in the National Intellectual Property Rights (IPR) Policy adopted by the Government on 12th May 2016 which aims to get value for IPRs through commercialization by providing guidance and



support to EPR owners about commercial opportunities of e-commerce through Internet and mobile platforms.

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3.3 Draft E-Commerce Policy

The 19-page policy is representative of the interests of the government-constituted ecommerce think tank. It prioritizes e-commerce brands which have already been set up in India and has clauses that discourage the free inflow of foreign capital in e-commerce. This could end up complicating things for the entire Indian e-commerce ecosystem, including consumers. The government's draft ecommerce policy makes a strong case for championing 'Indian' online enterprise and may have major implications for foreign-owned ecommerce majors operating in India. Key recommendations include barring group companies of ecommerce players from "directly or indirectly influencing" sale prices. This may mean restrictions on retail strategies of ecommerce majors with subsidiaries. The draft mentions that bulk purchases of branded goods like mobile phones, white goods, fashion items "by related party sellers which lead to price distortions in a marketplace" will be prohibited. This, if accepted in the final policy, may seriously affect sale strategies of big ecommerce players.

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3.4 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. The EoI also underlined on how the Indian government think-tank, National Institution for Transforming India (NITI) Aayog is exploring the use of Blockchain and Artificial Intelligence (AI) in diverse areas such as education, healthcare, agriculture, electricity distribution and land records. The institution is exploring a platform called 'IndiaChain' — a blockchain enabled infrastructure for Indian enterprise and government. Once implemented this will be world's largest Blockchain implementation program in governance.

[Download: Notice Inviting Expression of Interest \(EOI\) for Making use of Artificial Intelligence, Blockchain, IoT and other latest technologies in Patent Processing system of IPO](#)

3.5 Steps to cut time to grant patents, trademarks: DIPP Secretary

India is taking several steps, including hiring more manpower and increasing use of technology, to reduce time for granting patents and trademarks. Secretary in the Department of Industrial Policy and Promotion (DIPP) Ramesh Abhishek said as the economy is growing at a faster pace, focus on innovation and intellectual property rights (IPRs) are fundamental. The department has helped to substantially improve the IPR regime of the country. "We have created capacities in our IP offices. Hundred examiners

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of patents (were hired). We added 450 more and now we are adding another 220 plus," he said here at the international conference on IPR, organised by industry body CII.

[Read more](#)

4 SMART CITIES

4.1 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.

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4.2 India Smart Cities Fellowship (ISCF) and Internship (ISCI) Program Launched

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.

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5 Electrical Equipment including Consumer Electronics

5.1 Draft National Policy on Electronics 2018 (NPE 2018) for Public Consultation

Electronics Industry is the world's largest and fastest growing Industry and is increasingly finding applications in all sectors of the economy. The Government attaches high priority to electronics hardware manufacturing and it is one of the important pillars of both "Make in India" and "Digital India" programmes of Government of India. The National Policy on Electronics 2012 (NPE 2012) provided the road map for the development of Electronics System Design and Manufacturing (ESDM) sector in the country. Implementation of the Schemes/ Programmes under the aegis of NPE 2012 has successfully consolidated the foundation for a competitive Indian ESDM value chain. The Government now seeks to



build on that foundation to propel the growth of ESDM industry in the country. Against the aforesaid backdrop, Ministry of Electronics and Information Technology (MeitY) has formulated a draft National Policy on Electronics 2018 (NPE 2018). It is requested that views/ comments on the draft Policy may kindly be provided by 23.10.2018. In view of several requests received in MeitY seeking more time for submission of views/ comments on the draft NPE 2018, it has been decided to extend the last date for submission of views/ comments till 15th November, 2018.


SESEI Expert provided comments on “Developing and Mandating Standards clause 5.2 and 5.3 is as below:

5.2. Establish Standards setting body in MeitY to develop standards for Electronics (including Components as well as Fabless Industry), IT, e-Governance, etc.

Comment: This clause needs an elaboration as we already have Electronics & IT divisional council (LITDC) available at BIS where we can either use the existing Technical Committee or set up a new committee. All Industry representative and Govt officers (standardization experts) can participate in this Technical Committee and either develop standards for electronics or adopt the global standards. In view of this we don't think establishment of another Standards Setting Body is needed at MeitY.

5.3. Set up an institutional mechanism within MeitY for mandating compliance to standards for electronics products.

Comment: Institutional mechanism within MeitY for mandating compliance to standards for electronics products shall include a provision of carrying out Impact assessment studies prior to mandating any compliance to standards. Also mandating compliance to standards shall be in line with WTO-TBT agreements. Hence this clause shall be amended accordingly.

Download: [Draft National Policy on Electronics 2018 \(NPE 2018\) for Public Consultation](#)  230.24 KB

5.2 Draft Electricity amendment act 2018

The draft Electricity (Amendment) Act 2018, which is an amendment to the Electricity Act, 2003 aims at being in line with the country's changing electricity markets and systems, with their large renewable capacities and the emergence of a smart grid network. The Act tries to bring in greater structural accountability into the market in several ways, with licensing requirements extended explicitly to all electricity suppliers. Notably though, a few categories have been exempted:

- Companies using renewable energy to supply to rural areas;
- Mass transit entities such as Indian Railways and Metro authorities;
- Franchisees of electricity suppliers; however, non-compliance liabilities belong to the license holder (supplier).

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. The draft has been circulated among all related government agencies, departments, regulators, PSUs and industry bodies. According to the draft circulated online, the Electricity Amendment Bill 2014 was introduced in the Lok Sabha on December 19, 2014 and subsequently referred to Parliamentary Standing Committee on Energy. The panel gave its report in September, 2015. The revised bill is now circulated on the basis of recommendations of the panel and consultations.

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5.3 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](#)

5.4 Office Memorandums (OMs)/Notifications by Government of India:

- Revised List of Models and Manufacturers (RLMM) procedure and inclusion of WTG (Wind Turbine Generators) Manufacturer/Model in the RLMM list of MNRE - reg. [Read more](#)
- A notification of "Quality control order of Solar Photo voltaic Systems, Devices and Components Goods" [Read more/Download](#)
- A series of guidelines for conducting tests on solar photovoltaic (SPV) modules. [Read more](#)
- Notification of Extension of implementation of Quality Control Order on Solar Photovoltaics (SPV) Systems. [Read more](#)

6 Automotive

6.1 Draft model concession agreement for electric vehicles (Niti Aayog)

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. According to Niti Aayog, the document titled 'Public Private Partnership in Operation and Maintenance of Electric Buses in cities' has been developed based on international best practices, and with view of providing cleaner, more efficient and affordable public transportation. "The



objective is to provide O&M efficiency of city bus fleet for the authority, while ensuring bankability of the project for the private sector," the Aayog said in its report.

[Read more](#)

6.2 Report “Moving Forward Together Enabling Shared Mobility in India”: NITI Aayog

This report adopts a broad definition of shared mobility—any mode of transportation that is shared by users on as a-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.

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6.3 Government plans new policy to promote electric vehicles

The government is preparing a fresh policy for promotion of electric vehicles, which will be rolled out initially on a smaller scale to ensure smoother transition and better cooperation from the automobile sector, a government official said. According to the fresh proposal, the government will first begin creating favourable ecosystems in nine polluted cities with a population of over four million, and gradually move to cities with populations of one million-plus. Also, busy corridors such as Mumbai-Pune and Delhi-Chandigarh are being identified. A new policy to create favourable ecosystems for transition to electric vehicles is silently being worked upon. The government has already begun consultations with industry bodies, including the Confederation of Indian Industries, FICCI and auto makers on five aspects. These include challenges and support required for electric vehicles manufacturing, battery manufacturing, and setting up charging infrastructure, promoting electric vehicles in commercial fleet and the role of renewable energy in electric mobility. Also, the programme needs to give time to automakers. The timelines and the roadmap for the policy are being identified but so far the aim remains to shift one-third of the petrol and diesel vehicles to electric fleet by 2030. The Union cabinet is also soon expected to take a call on the 8,730-crore second phase of Faster Adoption And Manufacturing of (Hybrid &) Electric Vehicles in India (Fame India) scheme that proposes fiscal and non-fiscal incentives to electric vehicle firms for five years. The power ministry is close to finalising a policy for electric vehicles charging infrastructure that proposes granting subsidies to PSUs for setting up a basic charging station network in big cities and highways for gaining momentum in electric vehicle sales. Niti Ayog, which is coordinating with various ministries, state governments and stakeholders for the e-mobility policy, will also be seeking comments from the department of heavy industries, the finance ministry, the department of science and technology, the ministry of road transport and highways and the ministry of urban development.

[Read more](#)



6.4 Niti Aayog urges states to formulate EV Policy

Niti Aayog has urged the states to come out with their respective alternate fuel policy and present a paper with suggestions on modern mobility transition. It has also recommended formation of task force in every state to formulate the policy. Furthermore, Niti Aayog will present a paper to the government tomorrow at the Global Mobility Summit, which will cover all aspects of electric vehicles and other fuel options. Also, about a dozen states are likely to present their respective paper.

[Read more](#)

6.5 Office Memorandums (OMs)/Notifications: Government of India

- 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](#)

7 ICT

7.1 Draft Personal Data Protection Bill 2018

Up until now, privacy laws in India offer little protection against misuse of your personal information. The transfer of personal data is currently governed by the SPD Rules (Sensitive Personal Data and information, 2011), which has increasingly proved to be inadequate. The proposed Data Protection Bill 2018 essentially makes individual consent central to data sharing. The report notes that the right to privacy is a fundamental right. Unless you have given your explicit consent, your personal data cannot be shared or processed. Of course, this also means that the onus lies on you to make an informed choice. The bill also states that any person processing your personal data is obligated to do so in a fair and reasonable manner. In other words, your data should be processed only for the purposes it was intended for in the first place. Failing to meet these provisions can cost companies dear, with the bill laying down penalties that can go up to ₹15 crore or 4 per cent of a company's total worldwide turnover.

[Read More & Download the Personal Data Protection Bill](#)

7.2 Deadline for mandatory testing of telecom gear extended to April 2019: DoT

The Telecommunication Engineering Centre (TEC), a nodal agency of the Department of Telecommunications (DoT), has extended the deadline for starting mandatory testing of telecom equipment including mobile devices and base transceiver stations (BTS) to April 1, 2019 from October 1, 2018. In a notification issued, the DoT said mobile devices, BTS, repeaters, GPON equipment,



compact cellular network, LAN switch, routers, IoT device and media gateway imported or sold in India from April 1, 2019 would be subject to testing and certification. The engineering division, however, indicated that other equipment such as modem, audio conferencing equipment, fax machine, VHF equipment, Wi-Fi access point and multiplexing equipment would undergo testing from January 1, 2019. The Indian Telegraph (Amendment) Rules 2017 mandate essential testing of devices and equipment in order to ensure public safety. TEC has been tasked to undertake Mandatory Testing and Certification of Telecom Equipment (MTCTE) for the sector to preview nearly 50 products in a phased manner. TEC stated that a lot of relaxation and are flexible has been given to the industry and TEC will continue to include products in a phased manner.

[Read More and Download circular](#)

7.3 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](#)"

7.4 Office Memorandums (OMs)/Notifications: Government of India

- [Public Procurement \(Preference to Make in India\) Order 2017-Notification of Telecom Products, Services or Works](#)

7.5 Recommendations and Consultation Papers: Telecom Regulatory Authority of India (TRAI)

- 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](#)

8 Planned Activities for Next Quarters

- Monthly Activity Tracker, Draft Standards under WC, Bi-Weekly News/Policy
- Finalisation of three sector profile reports on ICT, Automotive and Electrical Equipment
- Continue working on priority topics of **ICT - 5G, M2M/IoT, Electrical Equipment incl. Consumer Electronics - CRO/CRS and Smart Energy, Smart Cities, Automotive - ITS, eMobility, & any other new areas such as Ropeways, Circular Economy etc.**
- Follow-up and closure of CEN CENELEC & ETSI MoU with BIS
- Closure of 17-18 Tax & Regulatory compliance incl. submission to Bank
- Closure and signing of the COAI-ETSI MoU
- Preparation of draft Table of Content for the Final Report for SESEI 3.
- Participation in the important conferences and events

9 Glossary

Sr. No.	Acronym	Expansion
1	3GPP	3rd Generation Partnership Project
2	5G	5th Generation
3	AI	Artificial Intelligence
4	AIS	Automotive Industry Standards
5	AMRUT	Atal Mission for Rejuvenation and Urban Transformation
6	BEREC	Body of European Regulators for Electronic Communications
7	BIS	Bureau of Indian Standards
8	CDOT	Centre for Development of Advanced Computing
9	CDR	Call Detail Record
10	CEN	European Committee for Standardization
11	CENELEC	European Committee for Electrotechnical Standardization
12	CII	Confederation of Indian Industry
13	CRS	Compulsory Registration Scheme
14	DG	Director General
15	DoT	Department of Communications
16	DST	Department of Science & Technology
17	EAP	Education/awareness/ Promotions
18	EFTA	European Free Trade Association

19	Ers	Essential Requirements
20	ETA	Equipment Type Approval
21	ETD	Electro-technical Division Council
22	ETSI	European Telecommunications Standards Institute
23	EU	European Union
24	EV	Electric Vehicle
25	FAME	Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles in India
26	FTA	Free Trade Aggrement
27	GPS	Global Positioning System
28	HLF	High Level Forum
29	ICT	Information and Communication Technology
30	IEC	International Electro-technical Commission
31	IEEE	Institute of Electrical and Electronics Engineers
32	IITM	Indian Institute of Technology Madras
33	IITR	Indian Institute of Technology Roorkee
34	IoT	Internet of Things
35	ISO	International Organization for Standardization
36	ITS	Intelligent Transport System
37	ITSAR	Indian Telecom Assurance Requirements
38	ITU	International Telecommunication Union
39	LITDC	Electronics and Information Technology Division Council
40	M2M	Machine to Machine
41	MAIT	Manufacturers' Association for Information Technology
42	MCA	Model Concession Agreement
43	MED	Mechanical Engineering Department
44	MEITY	Ministry of Electronics and Information Technology
45	MNRE	Ministry of New and Renewable Energy
46	MoU	Memorandum of Understanding
47	MTCTE	Mandatory Testing and Certification of Telecom Equipments
48	NEP	National Electronics Policy
49	NTP	National Telecom Policy
50	PCBs	Printed Circuit Boards
51	PPDR	Public Protection and Disaster Relief
52	PPP	Public-Private Partnership
53	PV	Photovoltaic
54	R&D	Research and Development
55	RFID	Radio Frequency Identification

56	SDO	Standards Developing Organization
57	SESEI	Seconded European Standardization Expert In India
58	SLR	Standards Legal and Regulatory
59	TC	Technical Committee
60	TEC	Telecommunication Engineering Centre
61	TEDC	Transport Engineering Division Council
62	TRAI	Telecom Regulatory Authority of India
63	TSDSI	Telecommunications Standards Development Society, India
64	WG	Working Group