



Quarterly Report No. 05

(July-September 2020)

Brief Summary

October 2020

Outline

- Major Updates
- Key Meetings, Events & Queries (Activity Tracker)
- Quarterly Report – Snapshot
- Key Draft Standards Under Wide Circulation
- Planned Activities for Next Quarter

Major Updates

Generic:

- [Bureau of Indian Standards \(BIS\) and the Indian Institute of Technology \(IIT\) Roorkee, signed a Memorandum of Understanding \(MoU\) to Promote National Standardisation](#)
- [Consumer Protection Act, 2019 comes into force, covers e-commerce too](#)
- [India makes testing of imported telecom equipment mandatory](#)

Smart Cities:

- [Centre launched Climate Smart Cities Assessment Framework 2.0 for climate-sensitive cities](#)

Electrical Equipment incl. Consumer Electronics:

- [State joint venture to support smart meter rollout in India](#)
- [Electronics manufacturing in India to grow 30% annually for next 5 years: IT Secretary](#)

Automotive:

- [NITI Aayog Introduces New Program to Decarbonize India's Transport System](#)
- [Automotive technology e-portal from International Centre of Automotive Technology \(ICAT\)](#)

ICT:

- [Adoption of TSDSI transposed 3GPP standards National Standards by TEC](#)
- [Adoption of TSDSI transposed OneM2M \(Release 2\) specifications as National Standards by TEC](#)
- [Telecom Department \(DoT\) notifies additional telecom equipment for mandatory testing, certification](#)

Key Meetings 1 (3)

Description	Total Until now	Last Qtr (July, Aug., Sept.)
External Meetings	149	34
Internal Meetings	43	06

Meeting with BIS :

- **Meetings of BIS LITD/28 P6 on ICT Reference Architecture:** SESEI is a member and contributing EU work on the subject
- **Meeting of BIS LITD/28 P9 on IoT reference architecture** to review the working draft of IoT RA and to discuss the IoT entity- based reference model. SESEI is a member and promoting EU work on the subject such as oneM2M.
- **Meeting of the LITD 28 the Smart Infrastructure Sectional Committee in BIS** to finalize Draft Standards, i.e. LITD 28 (13502) UDI LMCPS RA LITD 28 (13, - LITD 28 (13503) UDI LMCPS NAL. LITD 28 (14073).
- **2nd Meeting of SSD 10 'IT and ITES sectional committee' of BIS** to discuss the proposed scope of the sub-committee. SESEI has informed committee about the work carried out by CEN/CENELEC through its TCs: CEN/TC 428 – ICT- Digital Competences, CEN/CLC/JTC 13 - Cybersecurity and Data Protection, CEN/TC 445 - Digital information Interchange in the Insurance Industry.
- **7th meeting of Electrical Energy Storage Sectional Committee, ETD 52 of BIS:** SESEI was co-opted for EES Sectional Committee, ETD 52. SESEI expert has informed committee about the standardization work done by CLC/SR 120 on EES Systems.

Meetings with DoT and other Government Bodies:

- **Periodic meetings of WG on "Security by design principle and National Trust Center on IoT" in TEC** to discuss, contribute and finalize the document. SESEI has provided inputs on ETSI EN 303 645
- **Periodic meetings of TEC WG on Future Communication Technologies in IoT domain:** WG members are currently in the process of drafting version 2 of the document on the Future technology. SESEI has promoted ETSI work around e-Health, Medical Devices, Smart Body Area Networks and Smart Appliances
- **Periodic meetings for finalizing report on "IoT / ICT standards for Smart cities":** SESEI has provided inputs on "Policy initiatives and standardization work around smart cities in Europe", which is included in the report.
- **Periodic meetings of "Smart Village & Agriculture Working Group" of TEC:** SESEI expert have provided EU work around smart villages
- **TEC 2nd Sub-DCC & MF meeting on standard on Energy Consumption Rating and Energy Passport:** SESEI is working with TEC on this subject and the draft standards has made reference to ETSI standards.

Key Meetings 2 (3)

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

- **Meeting with Art-Fi Officials:** Art-Fi officials requested a meeting with SESEI and sought update and clarification on matters related to SAR value and SAR testing in India.
- **Meeting with Adelphi:** to have discussion and exchange of notes on the EU REI WEEE Standards and the status of Resource Efficiency & Waste Management Policy and its implementation in India. SESEI expert provided input to their list of questions while representing both EU and India.
- **Webex meeting with Eurescom officials:** SESEI has a virtual meeting with Eurescom officials to discuss the status of 5G in India and also the white papers and High-Level reports on 5G prepared.

Meetings with Industry & Associations:

- **MAIT meeting for extension of Phase IV and notification of products under phase V of CRO**
- **IET Future Tech Panel – SLR working group meetings** to discuss the scope of the Working Group, objectives, deliverables. WG has also Finalized the Charter for the SLR WG, discussed table of contents for the White Paper
- **First Meeting of the ASSOCHAM Standardization Council:** SESEI was invited to participate as member of the ASSOCHAM Standardisation Council.
- **Project InDiCo conference call meeting with COAI for participation in the IMC 2020:** to have an exchange on the theme and about the agenda of the conferences and discuss appropriate contributions from ETSI and European stakeholders to these sessions. IMC 2020 would be held virtually on 8th, 9th, 10th of Dec 2020.
- **Meeting with Mr. Vikas Sharma of Omnitech Automations:** Officials of Omnitech automations sought meeting with SESEI to discuss issues related to VDE certification /compliance of their products used for Hospital Communications.
- **Meeting with Mr. Parag Kulkarni from John Deere:** Officials from John Deere approached SESEI for a meeting on standards development and the strategies.

Key Meetings 2 (3)

Meetings with Project Partners:

- **CEN CENELEC Meetings on Railways and India:** SESEI informed all that the Research Designs & Standards Organisation (RDSO), Ministry of Railways is the only organization which work around standardization of railway equipment. SESEI also shared a report prepared on Railway standards in India.
 - **In the second meeting** discussion was held on chosen priority topics and pilot topic, RDSO top three priority areas and any further information from the Indian perspective, drafting an objective for the selected pilot and outcome
- **Periodic meetings organised by IndiCo with ETSI, oneM2M, TEC, TSDSI, C-DOT and SESEI:** to conceptualize, discuss and finalise the proposed Conference on OneM2M/ IoT. This conference is to coincide with the release of the report on national IoT/ ICT standards for Smart Cities in India.
- **Meeting between IndiCo Project (ETSI) - IET Future Tech Panel:** to discuss collaboration for Digital Conversation (Digital platform) for promoting ETSI and future technologies/ new standardisation areas.
- **Meeting with Ms. Christi Jarita from CENCENELEC:** A meeting was held to discuss issues related to Project India for further identification of gap areas, areas of mutual collaboration and the important issues on Market access.
- **InDiCo-INDIA Security Webinars:** Conference call meetings initiated by Project InDiCo for organisation of the India Security week, which will consist of series of webinars. Project InDiCo, SESEI and EU - India ICT Project discuss, proposed agenda, topics to be taken up in the webinars and the suggested speakers.
- **Project India #8 Meeting was called by CEN CENELEC** to discuss in detail the progress made on the CEN CENELEC Cooperation with India. SESEI as a member of the committee participated in the meeting and shared updated status on the action items.

Many more.....

Key Events

1(2)

Description	Total Until now	Last Qtr (July, Aug., Sept.)
Events/Seminar/Workshop /Roundtable	132	45

- **Webinar on Market Surveillance** : On the request of BIS, SESEI with European Commission arranged webinar on issues related to Market Surveillance and the best practices followed in Europe.
- **CUTS Webinar on Atmanirbhar Bharat and Cross Border Data Flows**
- **Webinar on SEPs and IPRs in the Tech Driven Society - Opportunities for SME's**: jointly organized by TSDSI, Jindal School of Banking & Finance and DoT
- **TSDSI online workshop on "Standards-driven Research and Innovation in India"**
- **Department of Telecom (DoT) organized a virtual training session for Indian Telecom Service (ITS) probationers**: SESEI was requested by DoT to deliver a virtual presentation to these officers on ETSI related topics like organization, structure, standardization process, emerging technology standards etc.
- **Webinar by IET- Future Tech Panel on "Clearing the 5G obstacle course in India**: ETSI collaborated through Project IndiCo to promote 5G Technologies work being done at ETSI. Mr. Adrian Scrase, COO ETSI participated as one of the key speakers at the webinar.
- **TEC webinar on "Internet of Things (IoT) Security"**: to provide a good opportunity for learning, exchange of ideas and enriching experience for the participants.
- **TSDSI Roadmap [Online] Workshop**: SESEI expert attended workshop as a speaker and shared a presentation on ETSI long term strategy, and future technologies.
- **CUTS-CIRC Webinar: Myths and Realities of 5G in India**
- **COAI and Nokia along with 5G India Forum organized an e-Workshop on 5G Technology**

Key Events

2(2)

- **FICCI organized INDIA Conclave "Leveraging Artificial Intelligence for Future of Excellence"**: on how the Government policy and strategy can steer country and benefit from AI.
- **Virtual Conference on 100 Smart Cities India 2020, organised by Bharat Exhibitions**: SESEI attended conference as a speaker and delivered Vote of thanks and highlighted the challenges which lie ahead for realisation of Smart Cities in India including importance of oneM2M adoption and implementation in India as a National Standard.
- **Virtual Workshop on Smart Cities 5.0 - Digital Transformation through Disruptive Technologies & Standards organized by IEC SyC Smart Cities** to discuss the sustainable digital transformation of cities.
- **IEC SyC Smart Cities - Virtual workshop on "Ontology for Smart City and Smart City Systems & Standards"**
- **Webinar on "Successful PLC technology use cases in India and Europe" by IEEE Standards Association (IEEE SA)**
- **Virtual panel session on "Cyber Security for Power and Energy Infrastructure" organised by IEEE**: Speakers deliberated on the opportunities, challenges and case studies of Cyber Security.
- **Webinar on Shifting Gears: Post Pandemic Automotive Market in India organised by Indo-French Chamber of Commerce & Industry (IFCCI)** in association with Udyen Jain and Associates (UJA)
- **Webinar on Standards for fostering Resource Efficiency and Circular Economy in India**: organized by The Energy and Resources Institute (TERI) under the EU-REI project.
- Many more.....

Key Queries

Description	Total Until now	Last Qtr (July, Aug., Sept.)
No of Queries	53	09

- Provided list of standards published by CENELEC on Flow batteries, BMS and repurposed batteries: Bureau of Indian Standards (BIS)
- Inputs on CEN/CENELEC standardization work in IT and IT Enabled Services Sector to the draft strategy paper being prepared by the Sectional Committee on IT & ITeS, SSD 10 of BIS: BIS
- Provided list of standards developed by CLC/SR 120 on Electrical Energy Storage (EES) Systems: BIS
- Provided inputs to the final document on Internet of Things (IoT): Ministry of Electronics & Information Technology (MEITY)
- Query on regulations set by the Indian government to manufacture and sell a commercial vehicle: ED Motors
- Drafted and shared a report on “Market Surveillance in Europe”: Bureau of India Standards (BIS)
- Forwarded a query on EN 102 706-2 and EN 202 706-1 to ETSI as TEC wants clarification about EN TS 102 706-2 validity and acceptance within EU for energy efficiency testing: Ericsson
- Provided responses to the questionnaire on adaptation of CENELEC standards to the Indian context: adelphi research gemeinnützige GmbH

Quarterly Report: Snap Shot 1 (4)

Generic:

- Bureau of Indian Standards (BIS) and the Indian Institute of Technology (IIT) Roorkee, signed a Memorandum of Understanding (MoU) to Promote National Standardisation
- Consumer Protection Act, 2019 comes into force, covers e-commerce too
- Minister for Consumer Affairs, Food & Public Distribution launched Mobile App 'BIS-Care' and three portals – the Standardization, Conformity Assessment and Training Portals of e-BIS for consumers
- India makes testing of imported telecom equipment mandatory
- Centre asks BIS to prescribe standards for imported goods to curb non-essential Chinese imports

Smart Cities:

- Centre launches Climate Smart Cities Assessment Framework 2.0 for climate-sensitive cities

Electrical Equipment including Consumer Electronics

- State joint venture to support smart meter rollout in India
- Electronics manufacturing in India to grow 30% annually for next 5 years: IT Secretary
- Ministry of New and Renewable Energy (MNRE) begins process to engage consultancy for One Sun One World One Grid plan
- Power minister launched pan-India real-time market in Electricity

Quarterly Report: Snap Shot 2 (4)

- Electrical Equipment including Consumer Electronics
 - Office Memorandums (OMs)/Notifications/Guidelines: Government of India
 - Department of Heavy Industry, Ministry of Heavy Industry and Public Enterprises (MHI&PE) Office issued Electrical Equipment (Quality Order) 2020: Low - Voltage switchgear and control gear
 - Draft Electricity (Rights of Consumers) Rules, 2020 for stakeholder comments till September 30, 2020.
 - Public Procurement (Preference to Make in India) to provide Purchase Preference (linked with local content) in respect of Power Sector
 - Measures for contributing towards 'Atmanirbhar Bharat/Self Reliant' and 'Make in India' through phased indigenization in Power Sector
 - Power Sector as Strategic and Critical Sector-Testing of imported equipment, components, and parts.
 - Modifications in Scheme for "Development of solar parks and Ultra Mega solar power projects"
 - RFP for Developing a Long-Term Vision, Implementation Plan, Road Map and Institutional Framework for implementing One Sun One World One Grid (OSOWOG).
 - Request for comments on draft specifications for technology neutral Lithium batteries for solar off-grid applications

Quarterly Report: Snap Shot 3 (4)

Automotive:

- [NITI Aayog Introduces New Program to Decarbonize India's Transport System](#)
- [India driving electric mobility, energy storage sector growth: Experts](#)
- [Government mulls installing EV charging kiosks at around 69,000 petrol pumps in Country](#)
- [Automotive technology e-portal from International Centre of Automotive Technology \(ICAT\)](#)
- [Ministry of Road Transport and Highways \(MoRTH\) notifies regulations for tyres, safety glass, external projections, etc under CMVR](#)
- [MoRTH allows Sale and Registration of Electric Vehicles without batteries](#)

ICT including services:

- [Adoption of TSDSI transposed 3GPP standards National Standards by TEC](#)
- [Adoption of TSDSI transposed OneM2M \(Release 2\) specifications as National Standards by TEC](#)
- [Software Technology Parks of India \(STPI\) launched Apiary, centre of excellence in Blockchain at its incubation centre](#)
- [Telecom Department \(DoT\) notifies additional telecom equipment for mandatory testing, certification](#)
- [Ministry of Electronics and Information Technology \(Meity\) to seek Cabinet approval for policy on AI-based programmes](#)
- [How indigenously developed 5G tech can reach remote Indian Villages](#)

Quarterly Report: Snap Shot 4 (4)

- ICT including services:
 - Reports/White Papers/Recommendations and Consultation Papers by TRAI
 - Recommendations on 'Provision of Cellular Backhaul Connectivity via Satellite through VSAT under Commercial VSAT CUG Service Authorization'
 - Consultation Paper on Roadmap to Promote Broadband Connectivity and Enhanced Broadband Speed.
 - Recommendations on Methodology of applying Spectrum Usage Charges (SUC) under the weighted average method of SUC assessment, in cases of Spectrum Sharing
 - Consultation Paper on Regulation of International Mobile Roaming Services
 - Recommendations on Traffic Management Practices (TMPs) and Multi-Stakeholder Body for Net Neutrality
 - Recommendations on Cloud Services
 - Recommendations on Regulatory Framework for Over-The-Top (OTT) Communication Services
 - Telecom Consumers Protection (Eleventh Amendment) Regulations, 2020

Key Draft Standards 1(2)

@ Electrical Equipment including Consumer Electronics

- ETD 25 (16086): Energy performance of lifts escalators and moving walks Part 1: Energy measurement and verification identical to ISO 25745-1
- ETD 25 (16105): Electrical requirements for lifts escalators and moving walks : Part 6 Programmable electronic systems in safety-related applications for escalators and moving walks PESSRAE
- ETD 19 (16189): Power installations exceeding 1 kV ac Part 1: Common rules
- ETD 11 (15802): Secondary cells and batteries for solar photovoltaic application - General requirements and methods of test
- ETD 20 (16347): National Electrical Code of India - PART 1 (All sections) -General and Common Aspects
- ETD 20 (16363): National Electrical Code of India - PART 8- Solar photovoltaic PV power supply systems

@ Automotive:

At BIS:

- TED 24 (16338): Packaging — Accessible Design — Ease of Opening
- TED 26 (15949): Road vehicles compressed gaseous hydrogen cgh₂ and hydrogen natural gas blend fuel system components part 2: performance and general test methods

At ARAI:

- Draft AIS-170/ DF / Sept. 2020: Remote Sensing Devices for on-road Emissions Monitoring – Product Specifications and Programme Guidelines
- Draft AIS-163/D1/July 2020: Procedure for Type Approval of Special Purpose Vehicles (SPV's) for Compliance to Central Motor Vehicles Rules

Key Draft Standards 2(2)

@ ICT

At BIS:

- [LITD 17 \(14996\)](#): Mobile Device Security Part 1 Overview
- [LITD 17 \(14997\)](#): Mobile Device Security Part 2 Security Requirements
- [LITD 17 \(14999\)](#): Mobile Device Security Part 4 Assessment and Evaluation
- [LITD 17 \(14998\)](#): Mobile Device Security Part 3 Security levels
- [LITD 28 \(14073\)](#): Unified Data Exchange Part 1: Architecture
- [LITD 3 \(16372\)](#): Capacitors and resistors for use in electronic equipment Preferred dimensions of shaft ends bushes and for the mounting of single-hole bush-mounted shaft-operated electronic components

At TSDSI

- 19 New Item proposals, 2 study items and 12 SWIP (Study Work Item Proposal) under review: TSDSI

Planned Activities for Next Quarters

- End of Year financial closure & Regulatory Compliances
- Steering Committee #4 Meeting
- Virtual Workshop on IoT/M2M with TEC, CDOT through Indico
- Preparation and Participation in IMC 2020
- Security Week in India planning Virtual/Physical through Indico
- Follow-up & work on the India Taskforce/Priority workshop action points
- Participation in the important conferences and events
- Policy & NEWS Updates

Thank you!

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