



Quarterly Report No. 07

(January – March 2021)

Brief Summary

April 2021

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:

- [Food and Consumer Affairs Minister calls for 'One Nation One Standard' for lab testing](#)
- [Bureau of Indian Standards \(BIS\) reaches out to developing nations for adoption of Indian Standards](#)
- [BIS has brought out 'BIS Talks' Films series on standardization in different technology sectors](#)

Smart Cities:

- [Ministry of Housing and Urban Affairs \(MoHUA\) launched the National Urban Digital Mission \(NUDM\) along with other digital initiatives for Urban Governance](#)

Electrical Equipment incl. Consumer Electronics:

- [Electronics Ministry \(MEITY\) invites applications for second round of large-scale electronics manufacturing under PLI Scheme](#)

Mobility:

- [Ropeways and Alternate Mobility Solutions to be under Ministry of Road Transport and Highways](#)
- [Report on "Mobilising Finance for EVs in India": A Toolkit of Solutions to Mitigate Risks and Address Market Barriers"](#)

ICT:

- [Department of Telecommunications \(DoT\) amends Internet Service Providers \(ISP\) licenses on telecom gear use from trusted sources, products lists](#)
- [MEITY to set up Quantum Computing Applications Lab in partnership with AWS](#)
- [5G 'Test Bed' is expected to boost telecommunications technology](#)

Key Meetings 1 (4)

Description	Total Until now	Last Qtr (Jan, Feb, March)
External Meetings	238	38
Internal Meetings	60	07

Meeting with BIS:

- **3rd meeting of LITD-35 of BIS on Active Assisted Living:** LITD 35 AAL constituted to mirror the work of IEC SyC AAL to address India specific requirements, identify the Standardization, need at the national level. SESEI is actively promoting adoption of EN 301549 for ICT accessibility for persons with disabilities (PwDs) in India.
- **SESEI meeting with Head of IRD, BIS** to discuss Status of MoU, EN-81 License Agreement and other activities
- SESEI organized a meeting b/w CEN CENELEC and BIS official to boost CEN & CENELEC cooperation with BIS
- BIS organized a meeting with all relevant Industry association members of BIS to enhance the synergy between the Industry associations and various technical departments of BIS.
- 1st meeting of LITD 36/P1 Panel responsible for Consumer Electronics items for Review of Indian Standards
- 10th meeting of LITD 13 of BIS responsible for Interconnection and Information exchange among IT equipment and systems Sectional Committee, in joint session with 11th meeting of LITD 13/ P1 panel responsible for mobile phones.
- 17th meeting of LITD 10 responsible for 'Power System Control and Associated Communications'
- BIS organized a panel meeting of Services Sector Division (SSD) 10/P-2 of IT and ITes to finalize the Road map document of IT and ITes, SSD 10 sectional committee.

Key Meetings 2 (4)

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Periodic Meetings of Working Groups / Committees of DoT/TEC & other Government Bodies:

- TEC organized a virtual meeting of Consultative Committee, formed for **adoption of oneM2M Rel2 specifications** as National Standards, to discuss the future course of action on Recommendations as listed in the report of Consultative Committee (CC)
- 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 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
- Presentation on **oneM2M Release 3** specifications by TSDSI
- Meeting between officers from TEC and oneM2M & ETSI representatives on “**Conformance testing for oneM2M specifications**” and to discuss about possible opportunities to partner with ETSI for setting up a robust testing and interoperability set up in India.
- Virtual meeting of NWG-20 for finalizing contributions for ITU-T SG-20 (**Internet of things (IoT) and smart cities and communities (SC&C)**) meeting

Key Meetings 3 (4)

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

- Meeting to discuss renewed **EU-INDIA ICT Project** deliverables
- Project Indico: Con. call meeting with Ms. Laure Pourcin to discuss update on the interviews, speakers / content for preparation of the video on **5G technologies** and the opportunity it creates for the India in various sectors
- Project Indico organized a meeting to discuss actions to support **oneM2M implementations** in India
- Meeting with Dr. Sara Zennaro Atre, First Secretary - Trade Section, & Mr. Sunil Kumar from Delegation of the European Union to India to have a discussion and seek inputs to explore possibilities to **enhance cooperation with BIS** and get an update on SESEI activities.

Meetings with Project Partners:

- India: Action Plan - **market access** meeting organized by CEN-CENELEC
- Meeting with Mr. Xavier Piednoir, Head of External Relations, ETSI to discuss the **Interim Report ToC**
- Steering Committee Meeting No. **SC#4** of the Project SESEI was held virtually on 12th March 2021.
- Steering Committee Meeting: Phase 2 Planning: **EU-INDIA ICT Project**
- Meetings to discuss the participation of CEN/CENELEC at **India Smart Utility Week (ISUW 2021)**
- **Project India** meeting to finalize the draft agenda, draft action plan and the follow up actions

Key Meetings 4 (4)

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Meetings with Industry & Associations:

- IET - Future Tech Panel meeting to discuss Whitepaper by **Cybersecurity** working group on Future Proofing Standards
- Broadband India Forum organised meeting to discuss preparation / organisation of the Global **Accessibility** Awareness Day, GAAD 2021
- EBG Telecom sector committee organized a meeting committee for an open discussion and suggestion for the future plan and engagement with European Business Group. SESEI expert has been nominated to Chair the WG on **Standards, Technology and Spectrum** committee of EBG
- First Virtual Meeting of the FICCI National Committee on **ICT and Mobile Manufacturing**
- Meeting with Mr. Subhankar Mitra, Singapore to discuss **M2M/IoT** activities in India
- Virtual presentation of the EBG **Position Paper 2020** in Brussels organized by EBG
- Conference call Meeting with Mr. A Rao of Trusted Objects for a discussion on **ETSI 303 645 & Secure By Design**

Key Events

1(2)

Description	Total Until now	Last Qtr (Jan, Feb, March)
Events/Seminar/Workshop /Roundtable	215	41

Important Events/ Seminars participated by SESEI

- MAIT organized 2nd Webinar on “**Making India an Electronics Hardware Design Ecosystem**”
- **India Smart Utility Week 2021:** Mayank Sharma, CEN/ CENELEC was one of the main speaker during the "10th EU - INDIA Smart Grid Workshop" and shared presentation on Smart Grids.
- FICCI organized a webinar and launched a White Paper on **Inclusion of Persons with Disabilities** through Information and Communication Technology (ICT)
- CEN CENELEC organized training on '**European Standards supporting the EU-India Strategic Partnership**'
- "ITU-ETSI-IEEE Joint SDOs Brainstorming Workshop on Testbeds Federations for **5G & Beyond: Interoperability, Standardization, Reference Model & APIs**".
- India-EU ICT Standardization Collaboration Project organized a workshop on to brainstorm the scope of new phase of the Project
- TSDSI organised “**5G and Beyond** Leadership Summit”
- TSDSI organized a technical workshop on “**6G (Beyond 5G)**” to gather more inputs on Study Item on “Use cases, requirements and Technologies towards 6G”
- BIF organized an Interactive Workshop in association with MoHUA on "**Connect India: In-building Solutions**"
- Online Workshop on **Visible Light for Broadband Communications** by IIIT Delhi: SESEI participated in the opening / plenary session and give a brief talk about ETSI and 3GPP, ETSI'S Research Strategy, Importance of Standards for R&D Projects activities and Horizon 2020 project on VLC.
- CUTs international organized a webinar on "**privacy in mobile applications**"

Key Events

2(2)

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- India-EU Partnership Project on Collaboration for ICT Standardisation organized 28th webinar "**Internet of Radio Light VLC/mmWave Multicomponent Carrier 5G System Architecture and Results of Measurement Campaign in Building Research Establishment**" in the knowledge sharing series.
- Ministry of Housing & Urban Affairs (MoHUA) organized a virtual event to launch of digital initiatives: **National Urban Digital Mission (NUDM), India Urban Data eXchange (IUDX), Smart Cities 2.0 Website, Geospatial Management information System (GMIS), and SmartCode.**
- Smart Cities Working Group of the IET Future Tech Panel organized an ideation workshop for **Vision 2035 Smart Cities**
- ASSOCHAM INDIA organised a webinar on "**Future of Automobiles- Post Pandemic - A roadmap to develop EV Market to boost the economy**"
- FICCI Masterclass on **Blockchain** as a Technology and its Impact on Industry
- 10-10 webinar "The **CEN and CENELEC Strategy 2030: highlights and implementation**"
- The Future of Urban Transformation "4th **Smart Cities Summit**" Virtual Conference, Exhibition & Awards Organised by FICCI
- Telecom Committee of PHDCCI organized a webinar on '**Artificial Intelligence: Empowering India for the future**'
- National Telecommunications Institute For Policy Research, Innovation and Training (NTIPRIT) organized a webinar on "**Quality of Service in 5G Network**"
- FICCI organised the "RAIL INDIA FORUM & EXPO 2021: Future of **Rail** Transport" 3rd edition of Smart Railways Conclave (Virtual)

Key Queries

Description	Total Until now	Last Qtr (Jan, Feb, March)
No of Queries	74	8

- Provided updates on Market Surveillance: Bureau of Indian Standards (BIS)
- Query on EU Standards on Sports Good: BIS
- Inputs to draft technical report on “Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications”: Telecom Engineering Centre (TEC)
- Inputs to draft "National Blockchain Strategy" prepared by Ministry of Electronics and Information Technology (MEITY)
- Inputs to a draft paper being prepared by TIFAC IoT Study group: SESEI provided information around IoT/M2M in Europe which include AIOTI, LSP under Horizon 2020 etc.
- Provided update on the status of railway standardization in India: European Commission
- Inputs on draft guidelines for Consumer IoT Security: TEC

Quarterly Report: Snapshot 1 (4)

Generic:

- Food and Consumer Affairs Minister calls for 'One Nation One Standard' for lab testing
- Bureau of Indian Standards (BIS) reaches out to developing nations for adoption of Indian Standards
- BIS has brought out 'BIS Talks' Films series on standardization in different technology sectors
- Department of Telecommunications (DoT) directed all state procurements to be of local cyber security Products

Smart Cities:

- Ministry of Housing and Urban Affairs (MoHUA) launched the National Urban Digital Mission (NUDM) along with other digital initiatives for Urban Governance
- **Smart City Standards published by Bureau of Indian Standards (BIS):**
 - IS 18000: 2020 Unified Digital Infrastructure - ICT Reference Architecture (UDI-ICTRA),
 - IS 18010 (Part 1): 2020 Unified Digital Infrastructure - Unified Last Mile Communication Protocols Stack Part 1 Reference Architecture (UDI – ULMCPS – RA),
 - IS 18003 (Part 1): 2020 Unified Data Exchange Part 1 Architecture

Quarterly Report: Snapshot 2 (4)

Electrical Equipment including Consumer Electronics:

- [Tata Power Delhi Distribution Ltd \(TPDDL\) introduced Narrow-Band IoT technology in smart meters](#)
- [Electronics Ministry \(MEITY\) invites applications for second round of large-scale electronics manufacturing under PLI Scheme](#)
- [NXP India Joins hands with MeitY & FabCI to launch Semiconductor Incubation and Acceleration Program' for technology startups](#)
- **Ministry of Power (MoP) has issued:**
 - [Central Electricity Authority \(CEA\) notified Draft Central Electricity Authority \(Measures Relating to Safety and Electric Supply\) Regulations, 2021 for public comments](#)
 - [Amendments to the Guidelines for Tariff Based Competitive Bidding Process for Procurement of Round-The Clock Power from Grid Connected Renewable Energy Power Projects, complemented with Power from any other source or storage.](#)
 - [Draft Electricity \(Rights of Consumers\) \(Amendment\) Rules, 2021 for comments](#)
- **Ministry of New and Renewable Energy (MNRE) has issued:**
 - [Approved Models and Manufacturers of Solar Photovoltaic Modules \(Requirement for Compulsory Registration\) Order, 2019 - Implementation](#)
 - [Imposition of 25% Basic Customs Duty \(BCD\) on Solar PV Cells & 40% on Solar Modules/ Panels.](#)
 - [Draft policy framework for developing and promoting decentralised renewable energy livelihood applications.](#)
 - [Guidelines for International Solar Alliance \(ISA\) undergraduate Fellowship Program.](#)
 - [Guidelines for enlistment under "Approved Models and Manufacturer of Solar Photovoltaic Modules Order, 2019" – Amendment.](#)

Quarterly Report: Snapshot 3 (4)

Mobility:

- Vehicle manufacturers to build indigenous vehicles for using flexible fuel alternatives
- Call for R&D and shift towards alternate battery technologies for EVs
- Ropeways and Alternate Mobility Solutions to be under Ministry of Road Transport and Highways
- Report on “Mobilising Finance for EVs in India”: A Toolkit of Solutions to Mitigate Risks and Address Market Barriers”
- **Ministry of Road Transport and Highways (MoRTH) issued following notifications:**
 - G.S.R. 136(E): regarding Notification for electronic Monitoring and Enforcement of Road Safety
 - S.O 1433(E) regarding Implementations of sections of MV Act 2019.
 - G.S.R 220(E) regarding Concession in Motor Vehicle Taxes against submission of Certificate of Vehicle Scrapping.
 - G.S.R 190(E) regarding Motor Vehicles (Registration and Functions of Vehicle Scrapping Facility) Rules, 2021.
 - S.O 1232(E) regarding Vehicle Recall formula
 - G.S.R. 148(E): Mandating dual airbags for all passenger cars in India
- **Railway Ministry issued following notifications:**
 - Implementation of Public Procurement (Preference to Make in India) Order, 2017 - Notification of RE items under para-3(a) of PPP-MII Order.
 - Pre-qualification criteria for Elevator/Lifts.
 - Misclassification of Goods as Works in procurement.

Quarterly Report: Snapshot 4 (4)

ICT including services:

- Department of Telecommunications (DoT) amends Internet Service Providers (ISP) licenses on telecom gear use from trusted sources, products lists
- Telecom secretary puts on hold 5G trial spectrum allotment to Saankhya Labs, IISc Bengaluru
- MEITY to set up Quantum Computing Applications Lab in partnership with AWS
- Mandatory testing on hold: Telecom vendors say impact on broadband rollout likely
- 5G 'Test Bed' is expected to boost telecommunications technology by October, 2021
- Telecom manufacturing to reach global scale in India - India launches PLI scheme to become hub of global telecom manufacturing

- **ICT related notifications/consultation Papers/recommendations/policies and directives and white papers**
 - Ministry of Electronics and Information Technology (MeitY) has released a Draft "National Blockchain Strategy"
 - Notice for seeking stakeholders' inputs on the Draft Indian Telecom Security Assurance requirements (ITSAR) for PCRF (4G Core network element): TEC
 - Extension of last date for submitting comments on Draft guidelines for Consumer IoT Security: TEC
 - Annual Report for the year 2019-20: TRAI
 - Consultation Paper on Licensing Framework for Satellite-based connectivity for low bit rate applications: TRAI

Key Draft Standards 1(3)

@ Electrical Equipment including Consumer Electronics

- **ETD 25(16077)**: Lifts for the transport of persons and goods Part 2: Design rules calculations examinations and tests of lift components
- **ETD 20(16363)**: National Electrical Code of India - Part 8- Solar photovoltaic PV power supply systems
- **ETD 51(16825)**: Road Vehicles --- Vehicle to Grid Communication Interface Part 8: Physical Layer and Data Link Layer Requirements for Wireless Communication
- **ETD 51(17241)**: Electric Vehicle Conductive Charging Systems Part 23 dc Electric Vehicle Supply Equipment
- **ETD 25(16911)**: Electrical Requirements for Lifts Escalators and Moving Walks Part 1 Electromagnetic Compatibility With Regard To Emission

@ Mobility:

At BIS:

- **TED 11(17023)**: Road vehicles Functional safety Part 6: Product development at the software level
- **TED 27(13664)**: Electric Traction Motor - Performance and Functional Requirements
- **TED 11(17026)**: Road vehicles Functional safety Part 9: Automotive safety integrity level (ASIL)-oriented and safety-oriented analyses

Key Draft Standards 2(3)

@ ICT

At BIS:

- **LITD 10(16747)**: Power systems management and associated information Exchange Data and communications security Part 9: Cyber security key management for power system equipment
- **LITD 10(16748)**: Power systems management and associated information exchange - Data and communications security Part 10: Security architecture guidelines
- **LITD 10(16749)**: Power systems management and associated information exchange Data and communications security Part 11: Security for XML documents
- **LITD 29(16815)**: Blockchain and distributed ledger technologies Vocabulary
- **LITD 29(16816)**: Blockchain and distributed ledger technologies Privacy and personally identifiable information protection considerations
- **LITD 29(16818)**: Blockchain and distributed ledger technologies Overview of and interactions between smart contracts in blockchain and distributed ledger technology systems

At TSDSI

- 3 New Item proposals, 6 study items and 26 SWIP (Study Work Item Proposal) are under review covering topics of 5G, 6G, Spectrum, Rural Broadband, Broadcast, Indian languages, UAV, IoT, Data Protection etc.

Key Draft Standards 3(3)

@ Smart City

At BIS:

- **CED 59(16966)**: Sustainable development of habitats - Indicators for smart cities
- **CED 59(16967)**: Sustainable development of habitats - Indicators for resilient cities

@ Services

- **SSD-I 9(16049)**: DIGITAL ANALYTICS AND WEB ANALYSES FOR PURPOSES OF MARKET OPINION AND SOCIAL RESEARCH VOCABULARY AND SERVICE REQUIREMENTS
- **SSD-I 2(17009)**: Recreational diving services - Requirements and guidance on environmentally sustainable practices in recreational diving
- **SSD-I 2(17013)**: Recreational diving services-Requirements for training on environmental awareness for recreational divers
- **SSD-I 9(17145)**: XLIFF XML Localisation interchange file format
- **SSD-I 9(17147)**: Translation projects - General guidance

Planned Activities for Next Quarters

- End of Year financial closure & Regulatory Compliances for both EU and India
- BIS Catalogue
- Support Virtual Workshop on IoT/M2M with TEC/CDOT through ETSI/Indico
- Support Security Webinars in India through ETSI/Indico
- Follow-up & work on the India Taskforce/Priority India activities, action points including possible workshop.
- Continue participation in the important conferences and events to promote EU Standards & related policies.
- Release timely Policy & NEWS Updates

Thank you!

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