Quarterly Report No. 04

(April-June 2020)

Brief Summary

July 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:

- Government modified public procurement norms to give more preference to local suppliers

- World Trade Organization (WTO) issued notification for 12 products added to the schedule of CRO (Compulsory Registration Order) Phase IV

Smart Cities:

- India's smart cities playing big role in technology led battle against COVID-19: GlobalData

Electrical Equipment incl. Consumer Electronics:

- French electric utility company Électricité de France (EDF) wants India to play an important role in its global strategy of becoming carbon neutral by 2050

- Bharat Heavy Electricals Limited invites global OEMs to leverage its facilities and capabilities to Make in India

Automotive:

- Government set to introduce vehicle scrappage policy to boost India's auto manufacturing

- Ministry of Power issued revised guidelines for Electric Vehicle (EV) Charging Infrastructure

- Government issued eligibility criteria for EV components under FAME II

ICT:

- India joined the Global Partnership on Artificial Intelligence (GPAI) as a founding member to support the responsible and human-centric development and use of AI

- India's first national Artificial Intelligence Portal launched by IT Minister

Key Meetings 1 (2)

Description	Total Until now	Last Qtr (April, May, June)
External Meetings	115	31
Internal Meetings	37	7

Meeting with BIS :

- **Web sessions by BIS to create a new technical committee:** BIS sought support of CEN member for establishment of new Technical Committee on security equipment for financial institutions and commercial organizations. SESEI expert facilitated the same.

- **Meeting of BIS LITD/28 P6 on ICT Reference Architecture** to discuss the ToR and Scope of its deliverables. SESEI is a member and contributing EU work on the subject

- **Meeting of BIS LITD/28 P9 on IoT reference architecture** to define ToR. 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 share characteristic of Draft Indian Standards on "Last Mile Communication Protocols Stack" under Wide Circulation - Docs LITD 28 (13502) and LITD 28 (13503)

- **Meeting of SSD 10 'IT and ITES sectional committee' of BIS** to discuss draft scope of Work for the committee. SESEI 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.

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 finalise the document. SESEI has provided inputs on ETSI standard ETSI TS 103 645 (became EN 303 645)

- **Periodic meetings of TEC WG on Future Communication Technologies in IoT domain**: 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 this report.

- **Periodic meetings of "Smart Village & Agriculture Working Group" of TEC:** to discuss the inputs and update the draft document. SESEI expert have provided EU work around smart villages

- **Audio Meeting with DDG - R, TEC** to seek update and clarification on SAR value and SAR testing based on the new IEC standard

Key Meetings 2 (2)

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

- **Exchange between SESEI expert and GIZ officer regarding IoT security** to discuss and align next steps based on the IoT security discussion paper.

- **EBG Telecom Sector Committee Meeting** to discuss following topics of a) Review on Telecom Industry Issues b) TRAI consultation paper on Interconnect charges & Cloud Providers c) Roundtable with DoT Secretary to take up issues such as AGR, OSP etc. and d) Budget Input suggestions.

Meetings with Project Partners:

- **Con call between Mr Luis Romero, CEO ETSI, Senior officials TSDSI and SESEI t**o explore increase in soft in-kind work for TSDSI for the year 2021 as part of contribution towards 3GPP/oneM2M.

- **Introductions & Priority India Catch up call with CEN - CENELEC:** Meeting with new project manager CEN CENELEC concerned with Project SESEI for introduction, Project status and action items.

- **Steering Committee Meeting No. SC#3:** Due to the Covid 19 advisory Steering Committee Meeting No. SC#3 was held virtually. Actions items from the previous steering Committee meetings and their status update, project administration and management, Budget snapshot and proposals for reallocation of unused budget, etc.

- **CEN-CENELEC Priority India Meeting** to discuss the action items to be followed up with BIS & MEITY around issues related to Market Access, etc.

Meetings with Industry & Associations:

- **IET Future Tech Panel - Standards working group & First meeting:** IET - IoT Panel has once again invited SESEI to Chair their Standards, Legal & Regulatory Working Group (SLR WG). In this regard a preliminary Conference call meeting was organized to review the members of SLR WG and to discuss draft charter and work scope

- **Meeting with IET Events / secretariat, InDiCo and SESEI Team**: to discuss possibilities to work together and promote ETSI standardization related work through IET India Digital Conversations platform.

Key Events   1(2)

Description	Total Until now	Last Qtr (April, May, June)
Events/Seminar/Workshop /Roundtable	87	37

- **Web event by European Business Group (EBG)**: Principal Economic Adviser, Ministry of Finance, Government of India, presented the impact of Covid 19 on doing business in & from India.

- **Webinar on Technical Market Access Challenges in India organised by GPQI-India & IGCC**: to present key information about trade and technical market access challenges (standards, conformity assessment, certification) in India and recent challenges due to COVID-19

- As part of the IET Digital Conversations **webinar on the use of technology to put businesses back on the road to recovery**.

- **COAI along with techARC organised the 1st edition of 'techFLIX** – special series of webinars on the impact of covid-19 on digital industries in India.

- **Official launch of the IET Future Tech Panel by** the IET - IoT Panel

- **Virtual celebration of the World Telecommunication and Information Society Day (WTISD)**: ITU-APT foundation of India held an online Web Conversation as part of WTISD

- **Webinar on "Fighting COVID-19 with Innovative Real-Life Use Cases Powered by Advanced ICT Tech"** was jointly organized by COAI, Hindustan Times and Huawei Technologies.

- **Webinar on Telecommunications Leading to 5G:** Managing Director, Reliance Jio Infocomm Ltd. and Director IIT Kanpur conducted a webinar on 5G Technologies.

- **Web seminar: Technology Backbone for Growth in Rural Communities:** IEEE SA is conducted a virtual event on use case for rural broadband connectivity, - Rural Broadband Architecture, - IoT Agriculture, SESEI attended the event to understand the progress on this subject especially the LMLC.

- **Webinar on Standardization @ 3GPP:** Introduction to what 3GPP is, how it works and how it fits into the 5G eco system, by India-EU Collaboration on ICT.

Key Events

- **ETSI Security Week -** Webinars: on Consumer IoT security standards, Cyber Security, 5G, Cryptology, etc.

- **Webinar on "Standardization@3GPP: Webinar on RAN – 5G NR radio evolution":** organised by EU - India ICT Standardisation Collaboration

- **Webinar to share Ericsson Mobility Report & 5G by Ericsson and COAI**

- **Webinar on smart city/IoT organized by** ERTICO, ITS. The main agenda of this webinar was on: What will the Smart City of tomorrow look like?

- **Webinar on Resilience Planning for Cities in the Era of Covid -19, by FICCI:** discussion and presentations were on how the future technologies, especially 5G and IoT will work onwards building a smart, resilient city. - How smart technologies mitigate or prevent such pandemics in future?

- **Webinar on Location Technology**: Powering smart-cities, public safety and infrastructure management"

- **CUTS Webinar - Electricity Act (Amendment) Bill 2020 to discuss** "critical issues weakening the commercial and investment activities in the electricity sector".

- **IESA – IGEF open webinar on 'Future of distributed home storage systems in India'**

- International Road Federation (IRF) organized a **public online workshop on "Unleashing Road Infrastructure Potential for Cooperative, Connected and Automated Mobility (CCAM)**

- **International Webinar on "EV Charging Infrastructure testing standards for India**": organized by Energy Efficiency and Renewable Energy Division of Central Power Research Institute, Bengaluru

- **EU – INDIA webinar on resource efficiency and circular economy** on the occasion of world environment day

- Many more…..

Key Queries

Description	Total Until now	Last Qtr (April, May, June)
No of Queries	44	11

- Article on "**An overview of the M2M/IoT journey in India** ": BIF

- Provided standards "**ATIS 0600015.02.2016: ENERGY EFFICIENCY FOR TELECOMMUNICATION EQUIPMENT: METHODOLOGY FOR MEASUREMENT AND REPORTING - TRANSPORT & OPTICAL ACCESS REQUIREMENTS**": TEC

- Shared copy of **DVB CI Plus 2.0 standards based on ETSI TS 103 605**: BIS

- Shared presentations on **Vienna and Frankfurt Agreement**: SESEC

- Inputs to draft document on "**Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications**": TEC

- Updates on Essential requirements included **MCA for Ropeways**: Doppelmayr

- Inputs to an Articles: IEEE IoT Magazine Special Issue on **Smart IoT Solutions for Combating COVID-19" and shared list of EN standards**: narnix technolabs pvt. ltd.

- Inputs to TEC report on **Future Communication Technologies**: TEC

- Provided updates on introducing **62209-3 in India**: ART-Fi

- Inputs to **SSD-10 of BIS on work being carried out in service sector by European Standardization Bodies i.e ETSI, CEN, CENELEC**: BIS

- Inputs on **TD 850 R1 Y.SRC "Requirements for deployment of smart services in rural communities**": TEC

Quarterly Report: Snap Shot 1 (4)

Generic:

- Government modified public procurement norms to give more preference to local suppliers

- World Trade Organization (WTO) issued notification for 12 products added to the schedule of CRO (Compulsory Registration Order) Phase IV

- Companies and e-commerce players need to display 'country of origin' on products

- Develop local used cases and IPR in 5G: telecom body COAI

Smart Cities:

- India's smart cities playing big role in technology led battle against COVID-19: Global Data

Electrical Equipment including Consumer Electronics

- French electric utility company Électricité de France (EDF) wants India to play an important role in its global strategy of becoming carbon neutral by 2050

- Bharat Heavy Electricals Limited (BHEL) invites global OEMs to leverage its facilities and capabilities to Make in India

- Indian Telecom Industries to set up an electronic manufacturing cluster (EMC) under Ministry of Electronics and IT (MeitY) modified scheme

Quarterly Report: Snap Shot 2 (4)

- **Electrical Equipment including Consumer Electronics**
  - **Office Memorandums (OMs)/Notifications/Guidelines: Government of India**
    - Scheme for Promotion of manufacturing of Electronic Components and Semiconductors (SPECS)
    - Production Linked Incentive Scheme (PLI) for Large Scale Electronics Manufacturing
    - Modified Electronics Manufacturing Clusters (EMC 2.0) Scheme and guidelines to implement (guidelines)
    - Draft Guidelines and model PPA for Implementation of Off-Grid Solar Power Plants in RESCO model under MNRE Programme
    - MNRE Invites Proposals for Developing a long-term vision, implementation plan, road map and institutional framework for implementing. "One Sun One World One Grid"
    - MNRE Extends Timeline for 'One Sun One World One Grid' Plan on Request by 22nd July, 2020
    - Creation of Foreign Direct Investment (FDI) Cell in MNRE for processing FDI proposals
    - Order for formation of Project Development Cell (PDC) for "Attracting Investments in India"
    - Modifications in Scheme for "Development of solar parks and Ultra Mega solar power projects" –Regarding
    - Public Procurement (Preference to Make in India) order to provide for Purchase Preference (linked with local content) in respect of Thermal Power Sector (FGD)
    - Draft Electricity Amendment Bill 2020 for comments/suggestions

Quarterly Report: Snap Shot 3 (4)

Automotive:

- Government set to introduce vehicle scrappage policy to boost India's auto manufacturing

- Ministry of Power (MoP) issued revised guidelines for Electric Vehicle (EV) Charging Infrastructure

- Government issued eligibility criteria for EV components under FAME II

- **Notifications issued by Ministry of Road Transport and Highways (MoRTH):**

    - GSR 308(E) regarding the emission norms for L7 (Quadricycle) category for BS VI

    - Extended last date of bid submission at GeM portal for Electric Vehicle Supply Equipment (EVSEs)/ EV chargers

ICT including services:

- India joined the Global Partnership on Artificial Intelligence (GPAI) as a founding member to support the responsible and human-centric development and use of AI

- India's first national Artificial Intelligence Portal launched by IT Minister

- Global gear vendors oppose DoT (Department of Telecommunications) diktat on mandatory local testing

- Source code constitutes commercial, confidential information: Telecom Group

- Telcos push DoT to form key 5G panel ahead of ITU meeting

Quarterly Report: Snap Shot 4 (4)

- **ICT including services:**
  - **Notifications issued by Telecom Engineering Centre (TEC):**
    - Notice for stakeholder consultation on Indian Telecom Security Assurance Requirements (ITSAR) on E-Node B and P-Gateway
    - Inviting inputs on the draft ER of IP Multimedia Conferencing Equipment
    - Letter regarding review of old Generic Requirements (GRs)/ Interface Requirements (IRs) documents of MT Division
    - Letter requesting for comments regarding withdrawal of GRs of certain Telecom Products pertaining to IT division
    - Office Memorandum on Policy for adoption of domestic/international standards by TEC Standardization Guide
  - **Reports/White Papers/Recommendations and Consultation Papers by TRAI**
    - Consultation Paper on Methodology of applying Spectrum Usage Charges (SUC) under the weighted average method of SUC assessment, in cases of Spectrum Sharing
    - Recommendations on Network Testing Before Commercial Launch of Services for Wireline Access Services
    - Consultation Paper on Regulation of International Mobile Roaming Services
    - Recommendations on Ensuring Adequate Numbering Resources for Fixed Line and Mobile Services

Key Draft Standards 1(2)

@ Electrical Equipment including Consumer Electronics

- ETD 18 (14664): Industrial communication networks Part 1: Network and system security Sec 1: Terminology concepts and models

- ETD 43 (15472): Technical Documentation for the Assessment of Electrical and Electronic Products with respect to the Restriction of Hazardous Substances

- ETD 28 (15510): Photovoltaic System Performance Part 3 Energy Evaluation Method Amendment – 1

- ETD 11 (15727): Secondary lithium-ion cells for the propulsion of electric road vehicles - Part 4: Candidate alternative test methods for the internal short circuit test of IS 16893 Part 3 IEC 62660-3

- ETD 44 (15771): Safety of machinery - Requirements for cableless control systems of machinery

@ Automotive:

At BIS:

- TED 27 (13664): Electric Traction Motor - Performance and Functional Requirements

- TED 27 (15637): Electrically propelled road vehicles - Test specification for lithium-ion traction battery packs and systems - Part 4: Performance testing

At ARAI:

- Draft Amd 2 to AIS-134: Safety measures for Occupants of Three Wheeled Vehicles

- Revised Draft Amd. 1 to AIS-147:2018 : External Projection requirements for Two Wheeled Motor Vehicles

Key Draft Standards 2(2)

@ ICT

At BIS:

- **LTD 28 (13502):** Information Technology - Unified Digital Infrastructure - Unified Last Mile Communication Protocols Stack - Reference Architecture (UDI – ULMCPS - RA)

- **LITD 28 (13503):** Information Technology - Unified Digital Infrastructure - Unified Last Mile Communication Protocols Stack - Network Access Layer (Sub Giga Hz)

- **LITD 9 (15551):** Radio interference characterstics of overhead power lines and high - Voltage equipment: Part 2 methods of measurement and procedure for determining limits First Revision

- **LITD 6 (15946):** Radio frequency and coaxial cable assemblies Part 2 Flexible coaxial cable assemblies Section 2 Blank detail specification

- **LITD 9 (15866):** Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices Part 3: Vector measurement-based systems Frequency range of 600 MHz to 6 Ghz)

At TSDSI

- 16 New Item proposals, 3 study items and 13 SWIP (Study Work Item Proposal) under review: TSDSI

Planned Activities for Next Quarters

- End of Year financial closure & Regulatory Compliances

- Continued work with TEC to finalize national adoption of oneM2M standards

- Preparation for Virtual Workshop on IoT/M2M with TEC, CDOT

- 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

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