Quarterly Report No. 11

(January-March 2022)

Brief Summary

April 2022

Outline

- Major Activities & Achievements
- Key Meetings, Events & Queries (Activity Tracker)
- Key Draft Standards Under Wide Circulation
- Planned Activities for Next Quarter

Major Activities & Achievements

- **Closure of MoU Between CEN-CENELEC & BIS**

- **Closure of MoU Between ETSI & BIS**
  - BIS has approved Draft press release for both CEN CENELEC & ETSI

- **Organized Online workshop 'Role of Standards & Policy in Resource Efficiency and Circular Economy Transition in India and the EU'**
  - Recording, presentations and Q/A of webinar are available here>>

- **Released Sector Profile Report on Electrical Power Equipment industry and Electronics Industry including Consumer Electronics**
  - Download report and presentation>>

- **Report of Study Group on Digital Signature released by IT and IT enabled services sectional committee of BIS**
  - List of standards published by Technical Committee (TC) on Electronic Signatures and Infrastructures (ESI) is well captured in this report

- **Article on the IoT and 5G technologies status in Europe**

- **Article for ETSI publication Enjoy on BIS Indian Standard based on EN 301 549 adoption**

- **Technical report on "Framework of National Trust Centre for M2M/IoT Devices and Applications" published by TEC**
  - For bootstrapping parameter ETSI standard ETSI TS 133 220 / ETSI TS 131 102, for Java application or applets ETSI TS 101 220 are recommended.

- **Technical report on "Finalizing IoT / ICT standards for Smart cities" released by TEC**
  - Standardization activities being done at ETSI, CEN and CENELEC around this topic are well captured

- **Latter through ETSI to BIS on:**
  - Inclusion of DECT-2020 NR Technology as an Option for Communication Layer protocol for Smart Meters Architecture Standard in India

Key Meetings 1 (5)

Description	Total Until now	Last Qtr (Jan, Feb, March)
External Meetings	378	43
Internal Meetings	85	09

Meeting with BIS:

Generic:

- **Meeting with DG PRT BIS & Head Training:** regarding the exposure visit and training of BIS officials under the provisions of MoU recently signed b/w BIS-CEN-CENELEC and ETSI

  - Study EU best practices regarding standardization, conformity assessment, testing, accreditation, Research & Innovation supported by standards, Educational Utilization of Standards, Harmonization with International Standards, Standardization Strategy etc.

  - Nomination of CEN/ CENELEC/ ETSI/ EC/EFTA experts to deliver lectures in training programmes organized by BIS, on the above topics or any other related topics.

- **Meeting with the Head of International Relations Department of BIS to discuss** CEN-CENELEC-BIS MoU, ETSI-BIS MoU, list of EN, BS & DIN standards adopted by BIS, Framework License Agreement, Temporary license agreement, List of 21 Services Standards, exchange of knowledge sharing around UN SDGs & Standard, Market Access related issues, CE/RE Standards, Electrical installation rules, Railway standards, etc.

ICT:

- **24th meeting of the Smart Infrastructure Sectional Committee, LITD 28:** to review the work of panels within LITD 28

- **Review of Smart Grid Architecture Document:** Panel 6 of LITD 28 and LITD10 attempted to harmonize and optimize efforts on Reference Architecture for ICT.

- **20th meeting of Power System Control and Associated Communications Sectional Committee in joint session with all its panels and Smart Energy Sub-Committee:** to review Indian standards for latest update and revision and activities of panels of LITD 10

- **8th meeting of LITD 35 AAL sectional committee:** to discuss on India's Participation in CAG (Chair Advisory Group of IEC SyC AAL) Meeting.

Services:

- **6th, 7th & 8th Study Group Meetings on Digital Signature:**

  - Study Group has finalized and released the study group report in which inputs provided by SESEI on the EU / International standards on Digital signatures have been captured well.

- **4th & 5th Meeting of Working Group on Cloud Services, SSD 10/WG -1: to discuss the adoption** ISO/IEC 22624, ISO/IEC 22301, ISO/IEC 27031, ISO/IEC TS 23167:2020.

  - SESEI is an important member of this working group and contribute on EU work around cloud services.

- **Sixth meeting of IT & IT Enabled Services Sectional Committee (SSD 10) was organized by BIS:** to discuss and further act on the work assigned to the (SSD 10/WG-1) and study group.

Key Meetings 2 (5)

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

- **Meetings of the TEC Working Group for "Finalizing IoT / ICT standards for Smart cities":**
  - Report has been finalized and available here, Inputs provided by SESEI are well captured.

- **Virtual meeting of working group on "IoT and 5G applications in Smart Grid":**
  - to discuss the inputs/comments received on draft document

- **Virtual meeting of the TEC Working Group (WG) on "Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications":**
  - TEC has released technical report "Framework of National Trust Centre for M2M/IoT Devices and Applications", SESEI provided valuable inputs covering European Union and CEN-CENELEC work

- **Virtual meeting of Consultative Committee for adoption of oneM2M Release 3 specifications**
  - To discuss the OneM2M Release 3 specifications for adoption in India

- **TEC organized Industry Consultation on Facilitation of Open RAN Testing & Solutions ecosystem in India and way forward:**
  - Overview of Open RAN from technical perspective, global scenario about Open RAN ecosystem, challenges in development of Open RAN ecosystem in India: TSPs / Testing & Measurement companies/Startups/MNCs perspective, need for policy interventions and govt. support.

- **TEC standard on ECR & EP:**
  - Standard has taken reference from ETSI EN 303 215, ETSI TS 102 706-2, ETSI ES 201 554, ETSI EN 303 470

- **National Centre for Communication Security (NCCS) Open Consultation for Test Schedules & Test Procedures (TSTPs) Development:**
  - NCCS is in the process of developing TSTPs for the telecom equipment viz. Wi-Fi CPE, Mobile Device, (U)ICC, IP Router.

Key Meetings 3 (5)

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

Generic:

- **Meeting and interaction with the Indo-Italian Chamber of Commerce (IICCI**): to join their panel of professionals for the Impresa Awards 2022.
    - SESEI was panelist and judged the category on Community engagement and CSR.
- **Meeting with Wolfgang Bilz, Director Compliance and Regulatory Affairs EMEA:** to discuss about India standardization and regulation around Telecom and DECT.
- **SESEI Meeting with concerned officials at EBG to participate in the EBG Chapter on Automotive and Railways:**
    - Information about Project SESEI, EU-INDIA instruments, RDSO, SESEI interest to join the committee, open issues, position paper chapter were discussed during the meeting, and both agreed to work together. SESEI is associated with EBG India for last many years and is quite active in Telecom subcommittee of EBG, contributed to position papers for many years.

ICT:

- **Virtual Meetings between ETSI, DCMS and TEC Officials:**
    - To discuss organizing a Webinar around EN 303 645 etc., provide updates from DCMS on consumer IoT legislation, TEC updates and plans, and discuss ETSI EN 303 645 and other relevant international standards
- **Preparation Meetings among SESEI, ETSI, TEC, GCF and DCMS for the proposed Online Workshop/Webinar on Cyber Security – M2M/IoT:**
    - List of action items, timelines, responsibilities and status were discussed
- **Discussion Meeting with DEKRA: to get more updated information on oneM2M Testing and Certification program**
    - SESEI arranged a discussion b/w TEC and GCF to have discussion on oneM2M Testing and Certification program. Post discussion and understanding, it seems the best way forward is that "TEC shall become GCF recognized test organization (RTO) for IOP, Conformance, third party ACE like TTA in India".
- **Meeting with EU ICT Project to discuss the scope of TEC proposal to set up Lab for oneM2M testing at TEC:**
    - SESEI expert, informed newly appointed project coordinator all around this topic including way forward to address this TEC proposal.

Key Meetings 4(5)

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Meetings with Industry & Associations:

ICT:

- **Meeting with Editor, Voice & Data Magazine:** to discuss Telecom and other tech sectors.
    - SESEI has shared an article on the IoT and 5G technologies status in Europe

- **Meeting of the BIF Committee on ICT for Inclusive Ability:**
    - SESEI being a Co-Chair of the Committee held a meeting to discuss Works Plan 2022, research paper, hackathon on the ICT for Inclusive Ability.

- **Virtual Meeting with Vision Vibes for creatives on Newsletter and Social Media Design:**
    - to discuss the objective and work scope for the SESEI Newsletter and Social Media Design.

- **President India Smart Grid Forum requested a meeting with SESEI:** to seek cooperation from SESEI on getting recommendation for inclusion of DECT Technology as one of the technology options for Communication Layer protocol for Smart Meters Architecture Standard in India
    - A letter prepared by SESEI/ETSI has been finalized and submitted to BIS.

- **Future Telecoms - Catapult Interview with SESEI expert:** to discuss the relevant topics around telecom to work on for cooperation with India.
    - SESEI expert shared inputs based on ETSI & 3GPP and oneM2M related activities and shared the latest status around Indian Innovation ecosystem around it.

Key Meetings 5 (5)

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Meetings with Project Partners:

Generic:

- **SESEI Steering Committee meeting SC #6:**
  - Agenda mainly consisted of updates from SESEI Expert on Project Activities, updates from Partners on other relevant India-related initiatives/activities, exchange b/w Partners and SESEI, and SESEI IV Survey

- **Catch Up calls between SESEI and Mr. Eric Marchand, CEN CENELEC:**
  - SESEI expert shared updates on all pending action items covering such as SESEI Survey and its outcome, MoU & Press Release, Webinar on CE/RE, proposed webinar on railways, EN-115 agreement renewal, - Market Access related issues, Copyright Agreement on Services Standards.
  - SESEI also shared all the important and relevant documents and reports.

ICT:

- **Meeting between Xavier Piednoir, ETSI and officials from Department for Digital, Culture, Media and Sport (DCMS) on IoT Security. to discuss the webinar on Cybersecurity for Consumers in the domain of IoT**
  - SESEI has been working with ETSI, DCMS and TEC on issues related to Code of Practice for Consumer IoT and implementation of EN 303645 for Cyber security.

Circular Economy/Resource Efficiency:

- **Preparatory Meetings for the Standards Webinar on RE&CE:**
  - agenda, speaker confirmation, presentation/speaking topic, program flow, moderation etc. were discussed.

Key Events 1(5)

Description	Total Until now	Last Qtr (Jan, Feb, March)
Events/Seminar/Workshop /Roundtable	373	41

Important Events/ Seminars participated by SESEI

Generic:

- **Invitation to the Impresa Awards 2022 ceremony organized by the Indo-Italian Chamber of Commerce & Industry:**
    - SESEI was invited to be one of the panelists, judge and award giver at the Impresa award.

    - **Webinar on EU Standardization Strategy - A real change for European standards-setting organized by CEN-CENELEC:**
        - to understand and discuss newly released standardization Strategy.

    - **Virtual Release of 19th EBG Position Paper 2021:**
        - EBG Position Paper (PP) expresses the relevant concerns of EU Corporates in carrying on or growing their business in the current environment in India and proposes key policy reforms that will be conducive to the growth of business.
        - Position Paper forms an integral part of the Annual EU - India Summit and is also an important reference point for the Commission in its bilateral deliberations with the Indian Government.

    - **Webinar Series on DevOps - Part 3 Understanding DevOps, Hosted by LITD, Bureau of Indian Standards:**
        - To create awareness and education on DevOps and focused on IEEE 2675, DevOps Implementation Challenges, DevOps Trends and Demos.

- **Electronics and Information Technology Department, BIS organized an "Awareness and Implementation Webinar on Indian Standards on Video Surveillance Systems:**
    - to spread awareness on product standards on Video Surveillance Systems, BIS certification process for implementation of Indian Standards.

- **Round Table on Standards for Community Masks organized by IFC:**
    - SESEI coordinated including CEN speakers for the workshop.

Key Events

2(5)

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ICT:

- **COAI and GSMA jointly organized a webinar on the Small Cells Technology for 5G Deployment:**
  - o a report titled "Paving the way for 5G readiness in India: A guide for effective policymaking on small cell deployment" was launched.

- **India-EU ICT Webinar on oneM2M "Risk/Benefit analyses"**

- Webinar on "**Prevent Protect and Mitigate Cyber Threats Using AI**" organized by Samsung in collaboration with Bharat Exhibitions

- **Webinar on "5G-Advanced in 3GPP Rel-18 explained" organized by Nokia**:
  - o 5G-Advanced will contain features that are being specified in 3GPP Release 18 and subsequent releases, including improved coverage and capacity, enhanced end-user experience, and expanded capabilities beyond connectivity.

- **Wi-Fi India 2022 Virtual Summit** organized by BIF & BE:
  - o BIF Connectivity Accelerator Program for awareness, facilitation and proliferation of Digital Connectivity ecosystem with special emphasis on leveraging the PM-WANI Public Wi-Fi Scheme, was also launched during the Inaugural session of event.

- Webinar on **"Quantum Technology: Unlocking the future. Technical Developments and Standards, organized by** DoT in partnership with NTIPRIT.
  - o Govt Policy & Initiatives on Quantum Technologies and Applications (QTA), and India's Start up Eco-system: Use cases and Opportunities in Quantum Technology

- **Knowledge Sharing Webinar on "oneM2M – Smart Home/Smart Building private sector use case" organized by India-EU Partnership Project on Collaboration for ICT standardization:**
  - o benefit of open standards like oneM2M to address concerns and opportunities

- **5th Edition of the Open-Source Virtual Summit 2022 organized by** Bharat Exhibitions

- **Awareness Workshop on "ICT accessibility and Standards" organized by C-DAC:**
  - o to create awareness towards ICT accessibility.

- **FICCI A(I)India Conclave jointly organized by** FICCI and MEITY to foster robust AI ecosystem in India.

Key Events

3(5)

Description	Total Until now	Last Qtr (Jan, Feb, March)
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ICT contd.:

- **NTIPRIT organized a Round-table on** "**5G security Issues and Security Testing**":
    o to deliberate on key aspects pertaining to security dimensions of 5G ecosystem.

- **TSDSI Standardization Roadmap Workshop:**
    o to seek opinion and recommendation of the members on the Key Focus Areas

- **Hybrid Event - AI Services for Differently Abled organized by WiDS Pune:**
    o Experts shared the challenges differently abled face and how technology can be an enabler for them to live fulfilling and independent lives.

- **Webinar on "Participation and Contribution in ITU and 3GPP":** organized by TSDSI and NTIPRIT.
    o to spread awareness about the process of contributions and opportunities for Start-ups, established industries, academia and professionals to be part of the standards development process.

- **ENISA-CEN-CENELEC-ETSI Cybersecurity standardization Conference 2022:**
    o EU Cybersecurity standardization, Infrastructures and Supply Chain Security, Digital Identity Wallets, AI Cybersecurity and Future of Data Protection standardization.

- **TIC Council Webinar - Policy and Regulatory Framework on Conformity Assessment for Telecom products: A Global Update**:
    o Overview of MTCTE of TEC towards ensuring a robust quality and conformity ecosystem for telecom gears in India.

- **Webinar on 5G use cases in Health and Agriculture Sector:**
    o to discuss 5G key capability and technologies to support potential use cases in Health and Agriculture Sector

- **Indo-German Expert Exchange on AI standardization:**
    o to discuss approaches to AI standardization in the German and Indian context and to define the scope and priorities for Indo-German cooperation in this area.

Key Events   4(5)

Description	Total Until now	Last Qtr (Jan, Feb, March)
Events/Seminar/Workshop /Roundtable	373	41

Smart Cities:

- **TEC Webinar on Standard Based Solutions in Smart Cities:**
  - o TEC initiatives in IoT / ICT domain, IoT Standards and Smart Cities, IoT sustainability with oneM2M, approach for Smart solutions (Society 5.0), Converged Technology for vehicular safety for India, etc.

Mobility:

- **BIS Webinar on 'Standardization in Transportation of Dangerous Goods' was held in association with Chartered Institute of Logistics and Transport India:**
  - o to create awareness about importance of standardization activities in Transportation of Dangerous Goods, risk involved and importance of safety
  - o overview of SSD-II 1(18008): Transportation of Dangerous Goods - Guidelines published by BIS

Electrical & Electronics:

- **TEC webinar on "Communication and Security Aspects in Smart Grid":**
  - o TEC Initiatives in IoT domain, Smart Grid Journey – Communication Challenges, Mitigating Security Threats in Smart Grid Ecosystem and Future of Electric Power using Industrial 5G.

- **India Smart Utility Week (ISUW) 2022 on digital platform organized by India Smart Grid Forum (ISGF)**
  - o A report was released during "11th EU-INDIA Smart Grid Workshop PART-A (In Partnership with European Union)"

- **IESA Stakeholders roundtable on India Vision 2030 for Energy Storage Deployment:**
  - o to highlight the policy and regulatory efforts required to bring out the necessary momentum in Energy Storage deployment in India and its States.

- **CII Conference on Smart Meter Industry:**
  - o Digitalization of India's Power Distribution with Smart Metering – Key Challenges, Smart Meters for Consumers & State Utilities – Getting it Right and Value of Smart Meter Data – A dive into data analytics.

- **Virtual knowledge session on "Green Hydrogen-based Chemicals"** organized by Indo-German Chamber of Commerce in collaboration with the Indo-German Energy Forum.

Key Events   5(5)

Description	Total Until now	Last Qtr (Jan, Feb, March)
Events/Seminar/Workshop /Roundtable	373	41

Energy Efficiency incl. Circular Economy:

- **Online workshop 'Role of Standards & Policy in Resource Efficiency and Circular Economy Transition in India and the EU**: co-organized by EU-REI along with SESEI, CEN-CENELEC with support from the BIS, aims to exchange on the role of standards in to realize resource efficiency (RE) and circular transition (CE) in India and the EU.
  - o Panel discussion and presentation in two sessions focused on following key points:
    - Perspectives, learnings and experience from India and EU on standards for fostering resource efficiency and circular economy in India including on eco-design and use of secondary raw materials in products.
    - How can the strategic cooperation and policy support mainstreaming of international standards?
    - Explore opportunities for adopting RE&CE standards in India to enable market transition to CE/RE?
    - How can life cycle perspective be used for development of RE and CE standards in India and their role for Indian Businesses?
    - What will be the role of RE&CE standards in post COVID era?
    - What are some of the key factors that need consideration for uptake and implementation of standards by the main actors and stakeholders?
- Recording, presentations and Q/A of webinar are available here>>

Key Queries

Description	Total Until now	Last Qtr (Jan, Feb, March)
No of Queries	99	06

Generic:

• List of **European standards adopted/Implemented** in India: European Commission

ICT:

• Inputs on TEC Technical Report on "**Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications**": TEC

• Prepared and shared a short report covering **EU policy/standard related work around accessibility**: FICCI

• Inputs to draft document on **IoT/ ICT standards for Smart Cities**: Telecom Engineering Centre (TEC)

• Prepared and shared a short report consolidating policy areas underway or happened in recent times within the Indian government covering the subject of **Digital Service Providers, Smart cities/connected places, Cyber skills (i.e. training and education),** Digital Identity including Digital India: Department for Digital, Culture, Media & Sport (DCMS)

• Article on **"European policies and Standardization work around 5G and latest tie ups in India:** Voice & Data

Electrical & Electronics:

• Query regarding Technical Clarification on **CLC / TS 50576: Electric cables - Extended application of test results for reaction to fire**: POLYCAB INDIA LIMITED

Key Draft Standards 1(3)

@ Electrical Equipment including Consumer Electronics:

At BIS:
- **ETD 35(16435):** Electromechanical elementary relays - Part 4: General and safety requirements for reed relays
- **ETD 11(15802):** Secondary cells and batteries for solar photovoltaic application - General requirements Sets and methods of test
- **ETD 43(18861):** Environmentally conscious design ECD - Principles requirements and guidance (First Revision of IS 16244)
- **ETD 11(18132):** Methods of test for measurement of Energy density and Cycle life of Advanced Chemistry Cells ACCs
- **ETD 28(18549):** Photovoltaic PV Module Performance Testing and Energy Rating Part 3: Energy Rating of PV Modules

@ Services

At BIS:
- **SSD-II 5(17442):** Physical Activity, Sports and Injury Management - Guidelines for Safety in Educational Institutions and Community Sports Academies
- **SSD-II 1(18008):** Transportation of Dangerous Goods – Guidelines
- **SSD-I 13(16880):** Media and Entertainment Services– Categorization of Programmes offered by Skill Development Services Providers

Key Draft Standards 2(3)

@ Mobility:

At BIS:
- **TED 27(18123):** Electric Power Train Vehicles Part 1 Measurement of Electrical Energy Consumption Amendment – 1
- **TED 18(17789):** Small craft - Hull construction and scantlings Part 1 Materials: Thermosetting resins, glass-fibre reinforcement, reference laminate
- **TED 26(15013):** Road vehicles - Compressed natural gas CNG fuel system components - Conduit Ventilation Ron Hose
- **TED 2(16879):** Automotive power - Performance requirements Measurement of power sfc opacity of positive and compression ignition engine - Method of test

At ARAI:
- **Draft AIS-162/D3/Feb 2022:** Type Approval of Motor Vehicles of categories M2, M3, N2 and N3 with regard to the Advanced Emergency Braking Systems (AEBS)
- **Draft AIS-178/D1:** Provisions for Adapted Vehicles of categories L1, L2, L5M and E-rickshaw
- **Draft AIS 174 / D1:** Specific Requirements for Electric Power Train Construction Equipment Vehicle(s)

Key Draft Standards 3(3)

@ **ICT**

At BIS:
- **LITD 10(19002):** Power line communication systems for power utility applications Part 1: Planning of analogue and digital power line carrier systems operating over EHVHVMV electricity grids
- **LITD 17(18953):** Information security cybersecurity and privacy protection Information security controls
- **LITD 30(18791):** Information technology Artificial intelligence AI Overview of computational approaches for AI systems
- **LITD 31(18279):** Information technology Cloud computing Reference architecture
- **LITD 31(18285):** Cloud computing and distributed platforms Data flow data categories and data use Part 1: Fundamentals

At TSDSI
- 3 New Item proposals, 1 study items and 12 SWIP (Study Work Item Proposal) are under review covering topics of Security, 5G, 6G, VLC/LiFi etc.

Planned Activities for Next Quarters

- Preparation and Organisation of Training for the BIS Delegation with the Project Partners during last week of June / first week of July 2022.

- Webinar on Consumer IoT Security with DCMS, UK and TEC

- Webinar around Eco-Design with ECOS and EU-REI

- Adoption of oneM2M Release 3 as National Standards

- Discuss and Submit Framework License Agreement of CEN-CENELEC

- Find out ways and mean for adoption of EN-81 series and EN-115 upgrade request of BIS

- Release of quarterly newsletters and quarterly report

- Continue working with TEC about Security, Smart Cities, oneM2M, Energy Efficiency etc.

- Continue working with BIS on Digital Signatures, Smart Cities, Accessibility, Circular Economy, Services etc.

- Mapping of EU/EFTA investments and stakes in India - Report

- Start preparation for Final Report

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