Quarterly Report No. 13

(July-September 2022)

Brief Summary

October 2022

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- **Major Activities & Achievement**
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Major Activities & Achievements

- **Successful BIS delegation Training & Exposure Visit**
  - ✓ The training visit cum study tour for 20 BIS Officials was held from 27th June to 6th July 2022, covering all important EU stakeholders involved in standards formulation process. The main aim of this visit was to share EU best practices regarding standardization, conformity assessment, testing, accreditation, Research & Innovation supported by standards, Educational about Standardization, Harmonization with International Standards, Standardization Strategy etc. the study tour was very much appreciated by the BIS Officials

- **Bilateral Meeting between CEN-CENELEC and BIS during ISO General Assembly**
  - ✓ Discussions held on identification of key areas of focus and develop a targeted action plan that will include Joint Webinars, Technical Workshops, Joint Working Groups, Study Tours and Trainings. Signing of the Framework License Agreement and its timely closure for CEN and CENELEC for easier access of EN Standards for their study and possible adoption by BIS

- **BIS Digital Signature, SSD 10/P-4/A-2.1 Meetings:**
  - ✓ This Panel has been constituted for formulating indigenous standard on Digital Signature. SESEI is the Co convener of this sub-sectional committee. SESEI suggested adoption of ETSI TS 119 101. It has been agreed to convert ETSI TS 119101 standard into IS 12 format and circulated with the panel members. SESEI has shared copy of the draft Indian standard based on ETSI TS 119 101 with ETSI for suggestions.

Major Activities & Achievements

- **Stakeholder Discussion of Electronics and IT Sector for Standards National Action Plan 2022-27:**
  - ✓ BIS has initiated the task of framing the next version of the Standards National Action Plan in consultation with relevant stakeholders to obtain their insights and suggestions on how development of Indian Standards can be ensured. SESEI expert attended the meeting and provided his views/inputs to the proposed Standards National Action Plan 2022-27.

- **Virtual session on "ICT Accessibility - Policy, Implementation, Standards organised by Broadband India Forum:**
  - ✓ SESEI moderated the technical session on "Challenges around implementation of accessibility policy and standards in India". Debating and finding recommendations on effective implementation of the adopted standards and policies.

- **23rd Virtual Quality Conclave on E-waste Management Quality Strategies organized by QCI:**
  - ✓ SESEI was invited as one of the key speakers and gave a presentation on European/International Standards & Policies around e-Waste/Circular Economy.

- **Extension for SESEI IV till February 2023**
  - ✓ Approved by EISMEA/ETSI & all legal formalities of Liaison office extension are completed in India.

Key Meetings 1(6)

Meeting with BIS:

Generic:

- **BIS Delegation Meeting and Study sessions at ETSI**
  - ✓ To provide update on Standards & policies activities around, Smart Cities Encounter with SmartM2M leadership, CTI (Centre for Testing & Interoperability), ITS, Quantum Technologies, Digital Signature, Human Factor (Accessibility) - EN 301 549, Cyber Security, Safety (EMC/EMI)

- **BIS Delegation Meeting and study session at AFNOR:**
  - ✓ To provide an overview of their Work Program, Standardization Strategy, working with CEN-CENELEC, ETSI, ISO, IEC.

- **Meeting with IRD officials of BIS:**
  - ✓ to discuss the possibility of bilateral meetings b/w BIS and CENCENELC on the sides of the ISO General assembly scheduled to be held in September at Dubai, UAE.

- **Stakeholder Discussion of Electronics and IT Sector for Standards National Action Plan (SNAP) 2022-27:**
  - ✓ BIS has initiated the task of framing the next version of SNAP in consultation with relevant stakeholders to obtain their insights and suggestions on how development of Indian Standards can be ensured.
  - ✓ SESEI expert attended the meeting and provided his views/inputs to the proposed Standards National Action Plan 2022-27.

Electrical:

- **Joint meeting of Secondary Cells and Batteries Sectional Committee, ETD 11 and Electrical Energy Storage Systems Sectional Committee.**
  - ✓ Revision of Indian Standards on Lithium/Nickel system cells & Batteries to review the ambient conditions, acceptance criteria, and performance requirements specified. Formulation of Standards on New Battery Technologies such as Sodium-ion batteries, Solid State batteries, Aluminum air batteries, Lithium-sulfur batteries, etc.

Key Meetings 2(6)

Meeting with BIS:

ICT:

- **LITD 34 - Smart Manufacturing Sectional committee - Meeting 3:**
  - ✓ The panel is aiming to develop a standard on the template for use cases which will help the stakeholders analyze the user needs analyze existing Standards, conformity assessments, platforms for Smart Manufacturing, and various activities going on Smart manufacturing in India

- **LITD 28 Smart Infrastructure Sectional Committee - Meeting 25:**
  - ✓ To discuss the suitable international standards published by ISO/IEC

Services:

- **Meetings of BIS panel on Digital Signature:**
  - ✓ SESEI, the Co convener of this sub-sectional committee, suggested adoption of ETSI TS 119 101 as an Indian Standard
  - ✓ Panel has converted ETSI TS 119101 standard into IS 12 format

- **6th & 7th Working Group Meeting of Cloud Services, SSD 10/WG-1/A-2.6: BIS SSD-II 10:**
  - ✓ Meeting to discuss the formulation and/or adoption of standard for cloud disaster recovery. Discussions on Meity documents related to cloud disaster recovery and IS/ISO 22301 standard, drafting the Working Draft on Cloud Disaster Recovery Services.

Key Meetings 3 (6)

Description	July to Sept 2022
External Meetings	42
Internal Meetings	5

Meetings with DoT/TEC and other government bodies:

ICT:

- **Meetings of the TEC Working group on IoT and 5G Use in Agriculture:**
  - ➢ Draft TR on IoT and 5G Use Cases in Agriculture to study 5G and IoT based use cases in Smart Village & Agriculture was reviewed/discussed during the meetings

- **Meeting of TEC working group on IoT and 5G applications in Smart Grid:**
  - ➢ draft document on the IoT and 5G Applications and the used cases in the field of Smart Grid was discussed
  - ➢ ETSI Smart grid use cases were circulated to all members

- **Meetings of Working Group on "Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications".**
  - ➢ It suggested that TEC Technical report should be refined and made more concise, work carried out by BIS in IoT domain added, ITU Recommendations added by including X.509, Addition on National Critical Information Infrastructure Protection Centre (NCIIPC).

- **TEC Open House Session with stakeholders on the accreditation of Labs for testing of CAS and SMS.**
  - ➢ TRAI has designated TEC as a Testing and Certification Agency for Conditional Access System (CAS) and Subscriber Management System (SMS).
  - ➢ Test Guides of CAS and SMS prepared by TEC were discussed during the Open House Session.

- **MeitY Meeting reg. Incorporation of NavIC in Position, Navigation and Timing (PNT) applications in India**
  - ➢ SESEI as a member of MAIT was invited to participate in the deliberations and provide his comments on the queries posted by some of the key stakeholders regarding implementation of NaviC in the mobile phone handsets being marketed in India

Key Meetings 4(6)

Meetings with Industry & Associations:

ICT:

- **Meeting of the BIF's Committee on ICT for Inclusive Ability (PwDs) ICT:**
  - ➢ Discussion and review of the workplan for the year , Hackathon, proposed Study report by DEF on 'How digital enablement works, impacts and builds independence, confidence, response, and resilience amongst people with disability and research study on uncovering global funding models for Development and Deployment of Assistive Technologies for PwDs by Saksha.

- **Meetings of the DECT Forum: India Working Group:**
  - ➢ Two meetings of the Forum were held, following agenda points were discussed during the meetings mainly to discuss the revival of DECT technologies in India and how to make them mainstream. SESEI expert shared , DECT 5G possibilities in India based on the 4 types of captive non-public networks (as per DoT guideline.

- **Meeting with Dr Rishi Bhatnagar, Chair, IET Future Tech Panel**
  - ➢ IET - Institution of Engineering and Technology, organized a session with Dr Rishi Bhatnagar for the Chairs and Co-Chairs to discuss the IET Future Tech Congress.

- **MAIT organized a meeting for formulation of Task Force under Mr. Vivek Vats on Right to Repair and Standardization of Charging Ports**

Energy Efficiency & Circular Economy:

- **Industry Discussion organized by MAIT on Battery Waste Management Rules 2022:**
  - ➢ MAIT organized a meeting to discuss the issues related to "Battery Waste Management Rules 2022 " released by Ministry of Environment, Forest and Climate Change (MoEF&CC).

Key Meetings 5(6)

Description	July to Sept 2022
External Meetings	42
Internal Meetings	5

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

Generic:

- **Meeting with officials from EU Delegation to India:**
  - ➢ Discussion were around the project progress, adoption of oneM2M and Code of Practice as National Standard by TEC, BIS adoption of Accessibility and IOT RA as National Standards, success and feedback received for the BIS study tour, SESEI extension and proposal for phase V, TEC interest to set up oneM2M Lab and how it can be addressed appropriately through EU-INDIA ICT project, update on the proposed Indo-German workshops and Indian delegation participation in the ETSI Conference on Security and M2M in October 2022.

- **Meeting with Mr. Benoit Sauveroche, Counsellor EU Delegation to India:**
  - ➢ Provided details on BIS Delegation visit to EU as part of the study tour, important meetings held during the BIS study tour, Impact of the BIS study tour and the feedback received from the Project partners & BIS and next deliverables and milestones of SESEI in context with BIS.

- **Meeting with Mr. Arun Mukarji from the EU -India ICT Project Instrument:**
  - ➢ to discuss the invitation and participation of the TEC and other important Indian delegation to attend the ETSI IoT and Security Week to be held in October 2022 at ETSI Premises, Sophia Antipolis, the scope for oneM2M testing & Certification lab for TEC.

- **Meetings of the Preparatory Group for the proposed hybrid webinar/ workshop on Circular Economy Standards - Ecolabeling & Eco Design**
  - ➢ During these meetings the agenda, speakers, logistics and other details for the workshop are discussed, updated and action is taken.

Key Meetings 6(6)

Meetings with Project Partners:

Generic:

- **SESEI-V and Other Updates:**
  - ➢ Meeting of the Steering Committee Members was organized to discuss:- Decision on Funding, Timelines for call of Tender by EISMEA, time taken for closure of contract, etc. . Next SC# Meeting and upcoming webinar on ECO design & Labeling

- **Periodic Conference call meetings with Eric Marchand CEN-CENELEC**:
  - ➢ SESEI regularly schedules conference call meetings with Eric Marchand CEN CENELEC to discuss the status and update on the SESEI action items and deliverables including BIS Study tour observations, feedback, and next steps forward, Status update on License Agreement submission to BIS and, ISO GA Bilateral meeting.

- **Travel to Dubai by SESEI for participation in the ISO General Assembly:** SESEI travelled to Dubai for participation in the ISO General Assembly and to coordinate the CEN CENELEC and BIS Bilateral meeting. The main discussions and highlights of the meeting were:
  - ➢ Both parties agreed to identify key areas of focus and develop a targeted action plan that will include Joint Webinars, Technical Workshops, Joint Working Groups, Study Tours, and Trainings. Areas identified are - Security, Climate Change, Clean Energy, ICT, Transport, Green Deal, Resource Efficiency, Circular Economy, Clean Tech, Renewables, Artificial Intelligence, Research & Innovation, RAIL
  - ➢ Signing of the Framework License Agreement and its timely closure for CEN and CENELEC for easier access of EN Standards for their study and adoption by BIS
  - ➢ BIS to explore with the CEN and CENELEC members to support the ballot ISO/TS/P306 - TC on Ayush Systems as proposed by India

Key Events/Workshops 1(4)

Generic:

- **CEN-CENELEC Webinar on " New Internal Regulations Part 3:2022, updates on Drafting Rules and Technical Report & Simple Template Updates" Confirmation:**
  - ➤ to guide the standards maker through a comprehensive presentation of the updates in the new 2022 edition of the Internal Regulations Part 3 and provided specific information with regards to the drafting of a Technical Report, key elements to be considered in the drafting of documents, and an overview of the updated Simple Templates.

- **Virtual International Conference on Standard Essential Patents & FRAND Licensing organized by IPETHICON Educational Academy**
  - ➤ to clarify common aspects relating to SEP's such as the interplay of R&D efforts, essentiality, declarations, working of SSO, licensing aspects etc.
  - ➤ SESEI attended the webinar to gain knowledge about the basics of this topic, landmark judgments and developments related to this topic.

ICT:

- **Presentation on ETSI and its standardization activities at NTIPRIT Training Centre:**
  - ➤ SESEI Provided an overview of ETSI membership, Standards formulation and engagement with the industry, Benefits of standards and emerging technologies being standardized by ETSI.
- **Voice &Data, 5G Conference under the Telecom Leadership Forum:**
  - ➤ SESEI moderated the session on "5G for the Enterprise and Private Networks". Bringing out and discussing key points for the rollout of 5G networks in India.

Key Events/Workshops 2(4)

Description	July to Sept 2022
Events/Seminar/ Workshop/Roundtable	24

Continue…

- **Plenary panel discussion on "5G – The Indian Journey on Standards & Innovation" at the 5G India 2022 International Conference organized by Broadband India Forum along with Bharat Exhibitions.**
  - ➢ SESEI shared information and updates on 5G technology, 5GPP standards and release 17 and 18. Security standards, especially the world's first standard on IoT released by ETSI, evolution of 5G and 6G technology in India.
- **39th GISFI STANDARDIZATION SERIES MEETING (39th GSSM) at the ITS College:**
  - ➢ SESEI made a presentation on "6G: Green Technology Evolution: EU policy measures and contribution of ICT Standards", providing and update on EU Policy measures around 6G, Green Deal – Circular Economy and how ICT Standards will play a key role achieving it.
- **CDAC Brainstorming Session on "Testing and Evaluation of Quantum Technologies: Need and Approach":**
  - ➢ CDAC organized an online brainstorming to have a focused discussion on the need for National level initiative and approach for testing and evaluation of Quantum Technologies.

Smart City:

- **Smart Cities and Intelligent Mobility India 2022 organized by Bharat Exhibitions:**

  - ➢ Technical session on "A Deep Dive into the Future of Mobility and Smart Cities with 5G" was moderated by SESEI in the 8th edition of Smart Cities & Intelligent Mobility India 2022.
  - ➢ SESEI shared policy initiatives and standardization work around Smart city and Smart mobility (ITS) in India and Europe.

Key Events/Workshops 3(4)

Mobility:

- **Masterclass on standards for EV' organized by ULSE & IESA for ETD 11/ETD 52 sectional committee members:**
  - ➤ A Masterclass Series on Safety and Standards of Energy Storage Systems helped participants understand different ESS standards and their implementation
- **E-launch of GIZ's Report-3 on EV Charging Infrastructure and its Grid Integration:**
  - ➤ GIZ along with IIT Bombay organized the e-launch event of the third report "Electric Vehicle Charging Infrastructure and its Grid Integration in India: Status Quo, Critical Analysis and Way Forward."

Electrical & Consumer Electronics:

- **BIS organized an 'Interaction with Mr. Philippe Metzger, Secretary-General & CEO, IEC**
  - ➤ SESEI as a member of MAIT participated and interacted to share concerns related to adoption of global standards, conformity assessment and administers third party Conformity Assessment (CA) Systems.
- **Workshop on "Cyber Security challenges - Global Experience":**
  - ➤ experts shared their experience in the challenges faced by the power sector globally.
- **Discussion on Third Round of PLI for Large Scale Electronic Manufacturers organized by MAIT:**
  - ➤ to seek their inputs on the Third Round of PLI for Large Scale Electronic Manufacturers.

Key Events/Workshops 4(4)

Energy Efficiency including Circular Economy:

- **23rd Quality Conclave on E-waste Management Quality Strategies for driving towards Circular Economy by QCI:**
  - ➢ SESEI expert as a key speaker gave a presentation on European/International Standards & Policies around eWaste/Circular Economy.

- **Relevance of Quality Infrastructure (QI) for Circular Economy:**
  - ➢ Main topic discussed was how does standardization support the digital and green transformation as well as innovation processes? And what common viewpoints can India and Germany develop on standardization at international level?

- **Release of ICEF2022 report by India Circular Economy Forum:**
  - ➢ A report on key policy recommendation and action plan was released. Large economies, such as the EU and India, have a key role to play in the global transition towards a circular economy and a lot to gain from stronger business cooperation and aligned legislation.
  - ➢ event represented an opportunity to identify, showcase, and celebrate circular initiatives in India across different focus sectors.

- **Release of Paper on Managing Climate Change: A Strategy for India, & its highlights:**
  - ➢ The paper highlights the areas to be addressed for India to substantially reduce emissions. These include increasing energy efficiency, thrust on electrification, shifting power generation from fossil fuels, expanding afforestation and developing carbon capture utilisation etc.

Queries

Generic:

✓ Provided inputs to Standards National Action Plan (SNAP 2022-27) which is being prepared by BIS: **MAIT**

✓ Shared Annual Union Program for EU standardization 2022 and Standardization Strategy: **BIS**

✓ Provided Information on Current and Ongoing Project & Political instruments available between EU and India for cooperation in many areas/ sectors: **BIS**

✓ Provided information regarding EU Food regulations and standards: BIS

ICT:

✓ Provided inputs to DoT's Consultation paper on new Legal Framework: **MAIT**

✓ Shared Policy & Legislation related work around Cloud & Edge computing in Europe: **BIS**

Electrical and Electronics:

✓ Provided list of CEN CENELEC Technical Committees and their published standards in following areas a) Lighting b) Electrical Installation c) EV Charging Infrastructure d) Lifts and Escalators: **BIS**

✓ Status of IS/IEC 62368-1 : 2018: Audio Video Information and Communication Technology Equipment Part 1 Safety Requirements First Revision" in India: **Tom Claeys, Certification Engineer, BARCO**

Services:

✓ Provided ETSI standards a) ETSI TS 119 312 b) ETSI TS 119 432 c) ETSI TS 119 441: **Services Sector Department II, BIS**

Circular Economy:

✓ Information on Plastic & Packaging Policy/Directive and Standards developed/adopted around it by CEN-CENELEC: **GIZ**

✓ Provided information on standards of portable drinking water /Packaged Drinking water, test methods for the various parameters followed in Europe: **BIS**

Key Draft Standards 1(3)

@ Electrical Equipment including Consumer Electronics:

At BIS:

➢ ETD 10(20513): Primary Batteries Part 5 Safety of Batteries with Aqueous Electrolyte

➢ ETD 10(20528): Safety of Primary and Secondary Lithium Cells and Batteries during Transport

➢ ETD 10(20529): Primary batteries: Part 4 safety of lithium batteries Third Revision

➢ ETD 25(20490): Lifts for the Transport of Persons and Goods: Part 3 Specifications for Planning and Selection Section 1 Passenger Service Hospital Bed Stretcher Lifts

➢ ETD 51(17180): Electric vehicle battery swap system – part 4 light electric vehicles – section 3 communication protocol

➢ ETD 51(19367): Electric vehicle battery swap system part 4 light electric vehicles section 2 connection systems

@ Services

At BIS:

➢ SSD-II 6(19914): Requirements for structural design and proof checking consultancy services for structures

Key Draft Standards 2(3)

@ Mobility:

At BIS:

- TED 22(18937): Glossary of terms relating to safety aspects concerning operating areas of industrial trucks
- TED 27(18122): Electric Rickshaw E-Kart Construction and Functional Safety Requirements Specification
- TED 6(14013): Field of Vision of Motor Vehicle Drivers for M 1 Category
- TED 26(19855): Road vehicles liquefied natural gas LNG fuel system components Part 4: Manual valve

At ARAI:

- Draft AIS 189/ D2: Approval of vehicles with regards to Cyber Security and Cyber Security management system
- Draft AIS-180/D3: Specific Requirements for Motor Vehicles intended for the carriage of Dangerous and Hazardous Goods with regard to their Constructional Features

At RDSO:

- Provisional Draft Standard No. IS/RDSO -TI/0002:2022: Indian Railway Standard for Power Quality Restorer (PQR) for 25kV and 2x25 kV Traction Substation in Indian Railways
- GENERAL GUIDELINES ON BATTERY SECTION: GENERAL GUIDELINES ON BATTERY SECTION
- RDSO/2013/EM/SPEC/0016 (Rev. 1) -2019: Technical Specification for Passenger elevator for Indian Railways
- RDSO/PE/SPEC/TL/0095 (Rev. 3) -2019: Technical Specification for Passenger escalators to be installed over Indian Railways

Key Draft Standards 3(3)

@ ICT

At BIS:

➢ [LITD 17(20436):](#) Information security cybersecurity and privacy protection Information security management systems Requirements

➢ [LITD 14(19322):](#) Software and systems engineering Software testing Part 1: General concepts

➢ [LITD 14(19323):](#) Software and systems engineering Software testing Part 2: Test processes

➢ [LITD 36(20538):](#) Electrotechnical vocabulary: part 59 educational or training equipment and systems first revision

At TSDSI:

➢ 10 New Item proposals, 3 study items and 5 SWIP (Study Work Item Proposal) are under review covering topics of 5G and beyond, Metaverse, 6G, Rural Broadband Services & Architecture etc.

At TEC:

➢ [TEC 49189:2022:](#) National Plan for Distribution of Indian Standard Time to Licensed Service Providers of Department of Telecommunications

➢ [TEC 74046:2022:](#) Standard for Energy Consumption Rating and Energy Passport for Telecommunications Products, Equipment and Network/ Services

Planned Activities – Next Quarter

- Preparation and Organisation of Hybrid Workshop on Eco-Design and ECO labelling with ECOS and EU-REI on 18th Nov 2022

- Adoption of oneM2M Release 3 as National Standards

- Framework License Agreement of CEN-CENELEC to BIS

- 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.

- Release of quarterly newsletters and quarterly report

- Start preparation for Final Report

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