Quarterly Report No. 14

(Oct-Dec 2022)

Brief Summary

Jan 2023

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Major Activities & Achievements

- **Panel Discussion on "oneM2M: Impact of Global Standards in India" organized by SESEI during IET India Future Tech Congress 2022:**
  - SESEI moderated the Panel discussion with esteemed panelists from the IoT Community including CDOT, ETSI, BIS , TEC , etc.
  - SESEI touched upon need to have global standards for IoT and M2M in India, its impact and effect on issues such as inter-operability, innovation , capacity building , data privacy etc. Discussion on the data privacy act, "Code of Practice for Securing Consumer Internet of Things (IoT)" etc. were also discussed.

- **2nd edition of Hybrid Workshop on "Circular Economy: Environmental Design & Labelling - Role of Standards & Policy in India and EU" organized by SESEI along with EU-REI, CEN-CENELEC, ECOS, and TERI:**
  - This workshop on Eco Labelling and Eco Design was conceptualized to create a dialogue and discussion between EU and Indian stakeholders towards synergies in the approach for ECO Design and Labelling standards and policies both in EU and India.
  - Domain Experts, Policy Makers and standards influencers as well as Industry experts were invited to speak at this workshop and share their unique perspective, share best practices and insights on this important topic.
  - Detailed event report and presentations are available here>>

Major Activities & Achievements

- **BIS, Fourth Panel & Fifth Meeting of Digital Signature, SSD 10/P-4/A-2.4:**
  - ○ BIS SC SSD 10 has drafted Indian standard on "ELECTRONIC SIGNATURES AND INFRASTRUCTURES (ESI): POLICY AND SECURITY REQUIREMENTS FOR APPLICATIONS FOR SIGNATURE CREATION AND SIGNATURE VALIDATION" which is based on ETSI standard ETSI TS 119 101.

- **SESEI meeting with DDG Standardization BIS:** to follow up on action items produced during bilateral meeting between BIS and CEN-CENELEC at the sidelines of ISO GA.
  - ○ draft Framework License Agreement between CEN-CENELEC and BIS.
  - ○ BIS is interested to engage with CEN CENELEC on Smart Standards - Digital transformation of the standardization process and products.

- **Close Door Session on "Decoding the impact of the proposed Digital Privacy Law & Telecom bill on the Europe-India Business organized by EBTC:**
  - ○ SESEI expert was invited by EBTC to share his thoughts and insights on the proposed Telecommunication Bill.

Key Meetings 1(6)

Meeting with BIS:

Generic:

- **SESEI meeting with DDG Standardization BIS:** to follow up on action items produced during bilateral meeting between BIS and CEN-CENELEC at the sidelines of ISO GA.
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- **BIS, Fourth Panel & Fifth Meeting of Digital Signature, SSD 10/P-4/A-2.4:**
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- **8th and 9th Sectional Committee Meeting IT and ITeS Enabled Services, SSD 10:** SESEI is part of the Working Group and an active contributor.
  - BIS is formulating indigenous standard on cloud disaster recovery services titled "Cloud Service Provider Disaster Recovery – Guidelines".
  - SESEI expert has provided updates on policy, legislation and standardization around Cloud and Edge Computing.

SESEI | Seconded European Standardisation Expert in India
Enabling Europe-India Cooperation on Standards

Key Meetings 2(6)

Meetings with DoT/TEC and other government bodies:

ICT:

- **Periodic meetings of TEC Working group on IoT and 5G Use cases in Agriculture to finalize the technical report**
  - Inputs/ contributions on the use cases related to agriculture, were discussed in the meeting. Discussions and submissions were submitted in the 4rth meeting of ITU-T FG on AI and IoT for digital Agriculture.

- **Meeting of TEC working group on "IoT and 5G applications in Smart Grid":**
  - TEC is preparing a report on "IoT and 5G applications in Smart Grid". Use cases and Inputs/comments received on the draft document were discussed during the meeting.

- **Periodic meetings of TEC Working Group on "Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications":**
  - Inputs received from SESEI and other WG members were discussed.

- **Discussion on issues in implementation of National Security Directive on Telecommunication Sector (NSDTS) through the Trusted Telecom Portal (TTP):**
  - With the launch of TTP, NSDTS had become effective from 15 June 2021.

- **MeitY organized a Digital India Dialogue on Digital Personal Data Protection (DPDP) Bill 2022:**
  - Hon'ble Minister of State for Electronics and Information Technology interacted with the Industry and other stakeholders and share Ministry's thoughts on the recently released draft Digital Personal Data Protection Bill, 2022.

Key Meetings 3(6)

Meetings with Industry & Associations:

Generic:

- **Meeting with Director Regulatory Affairs, IKEA Range & Supply:**
  - o draft QCO on wooden furniture

- **MAIT's Knowledge Session on proposed DESH Bill with EPCES:**
  - o Commerce ministry is planning to introduce the Development of Enterprise and Services Hub (DESH) Bill in the Parliament.

Electrical & Electronics:

- **Annual General Body Meeting of India Smart Grid Forum (ISGF):**
  - o SESEI works closely with ISGF and was invited to attend their AGM.
  - o An overview of ISGF Activities, Key Achievements, Current Projects and Programs and New Projects and Initiatives were presented to all the members.

- **Brainstorming Session organized by MAIT on incentivizing use of recycled materials in domestically manufactured electronic equipment:**
  - o MoEF&CC has sought suggestions/views of Industry on the above subject

ICT:

- **DECT Forum: DECT India Working Group Meeting:** A presentation on DECT business case was prepared and discussed.

Key Meetings 4(6)

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

Generic:

- **Meeting with First Secretary - Trade Section, Delegation of the European Union to India:**
  - to discuss project SESEI and the issue of QCOs.

- **Meeting with Coordinator for the EU-India ICT Collaboration to provide support in organizing IET FTC oneM2M Standards Session:**
  - Details on time, slot, suggested speakers etc. were discussed and it was agreed that SESEI will coordinate the entire session and SESEI will moderate it.

- **Meetings of the Preparatory Group for the proposed hybrid online seminar/ workshop on Circular Economy Standards - Ecolabeling & Eco Design:**
  - Weekly meetings of the preparatory committee were held to discuss the agenda, speakers, logistics and other details for the workshop.

- **SESEI meeting with officials at EU Delegation to India to discuss Digitation India:**
  - SESEI held a meeting with officials at the EU Delegation to India to discuss the proposed session on Global Standards for IoT / M2M at the Future Tech Congress 2022 at Bengaluru.

Key Meetings 5(6)

Description	Oct to Dec 2022
External Meetings	28
Internal Meetings	6

Meetings with Project Partners:

Generic:

- **Steering Committee meeting No. SC#9:**
  - Main discussion was held on actions emerging from the previous meeting, their status update and action required to close the same, status of the project from administration, management and budget point of view.

- **SESEI and EFTA FTA negotiations with India:**
  - SESEI held a meeting with EFTA colleagues in the EFTA Trade Relations division in Geneva to discuss the ongoing EFTA FTA negotiations with India and how can SESEI support EFTA in its FTA negotiations with India.

- **SESEI meeting with CCMC officials on Circular Economy and Resource Efficiency issues:**
  - SESEI provided update on the RE & CE related initiatives and the work carried out by SESEI project in India.
  - CCMC official provided update on the latest standards and works carried out in this segment and how India and EU can collaborate on some issues.

- **Meeting with ETSI** to understand from CCMC the process they used for the SESEC grant with EISMEA (steps/timing etc.)

- **Introduction Meeting with Officer at CEN CENELEC in-charge of the Project SESEI:**
  - Introduction, brief about SESEI Project, deliverables and various milestones and update on upcoming action items and status/update on the same.

Key Meetings 6(6)

Meetings with Project Partners:

Generic:

- **Meeting with Policy Officer Standardization and Concerned officials at European Commission DG GROW:** During the meeting the main discussion points were:
  - EU-INDIA FTA team to discuss the progress and chapter on Standards: what's the status and how SESEI can help further on it.
  - Any work or progress on TTC and/or A Roadmap to 2025 and how SESEI can help further on it.
  - Circular Economy and to be precisely team responsible for updating the Eco-Design and Eco-Labelling directive

- **Conference call meeting between Technical Officer - Smart Cards, ETSI and SESEI Team** to discuss the forthcoming Technical Plenary of the OneM2M scheduled to be held in India from 20th to 24th February 2023.
  - A brief overview of the meeting requirements and specifications was discussed and the possibility of holding an Industry Day was also discussed during the meeting.

- **Meeting with CEN CENELEC officials to discuss BIS interest to engage with CEN CENELEC on smart standards:** SESEI had a meeting with CEN CENELEC officials to discuss the proposed engagement with Bureau of Indian Standards (BIS) on Smart Standards. SESEI suggested that a presentation for BIS covering the following topics should be held.
  - Activities at IEC and ISO on Smart Standards, how it is getting implemented in Europe, timelines, tools etc.
  - Slide showing Indian representation at IEC and none at ISO hence suggestion that BIS shall nominate their officers at both ISO & IEC and let's work together aligning it at IEC/ISO and its implementation in our markets

Key Events/Workshops 1(3)

Generic:

- **World Standards Day 2022 celebration organized by Bureau of Indian Standards:**
  - Conference provided an overview of BIS initiatives, views and thoughts by the Policy Maker and the Leading Industrialists on Standards National Action Plan 2022 – 2027, Importance of Standards in Technical Education / Educational Curriculum.

- **Webinar on "European Accessibility Act and Standards – what SMEs need to know" organized by SBS:**
  - to raise awareness of SMEs and SME organizations on the Accessibility Act and standards supporting this piece of EU legislation and the potential impact it might have on SMEs.

- **EBG Position Paper 2022 Release:**
  - SESEI is a member of the EBG and works closely with the Telecom Committee on Market access related issues and contributes and provides inputs on ICT standards.

ICT:

- **Panel Discussion on "oneM2M: Impact of Global Standards in India" organized by SESEI during IET India Future Tech Congress 2022:**
  - SESEI moderated the Panel discussion with esteemed panelists from the IoT Community including CDOT, ETSI, BIS , TEC , etc.
  - SESEI touched upon need to have global standards for IoT and M2M in India, its impact and effect on issues such as inter-operability, innovation , capacity building , data privacy etc.   Discussion on the data privacy act, "Code of Practice for Securing Consumer Internet of Things (IoT)" etc. were also discussed.

- **Closed Door Session on "Decoding the impact of the proposed Digital Privacy Law & Telecom bill on the Europe-India Business organized by EBTC:**
  - SESEI expert was invited by EBTC to share his thoughts and insights on the proposed Telecommunication Bill.

Key Events/Workshops 2(3)

Continue...

- **ETSI's annual flagship event on Cyber Security 2022:**
  - This provided an opportunity for SESEI to gain and update information and knowledge on Security related issues and meeting and interacting with ETSI members and officials.

- **ETSI IoT Week 2022:**
  - The event offered an up-to-date overview of the major European and global trends in IoT services, technology innovations, deployments, and the relevant standardization work, highlighting new initiatives and directions of IoT in the context of green and digital transformation.

- **5th addition of TSDSI's annual technical TECH DEEP DIVE conference "Standards for Sustainable Development" 2022:**
  - The conference showcased work being done in TSDSI and global SDOs and forums, research initiatives, industry and policy trends, and innovations that have the potential for standardization.

- **Knowledge Session on "Personal Data Protection Bill" organized by MAIT in association with Ikigai:**
  - Ikigai Law, a specialist law firm focused on technology and innovation-led businesses, made a presentation on "Personal Data Protection Bill".

- **OneM2M International Conference on "The Journey to Massive IoT through Interoperable and Open Standards":**
  - IoT systems based on the oneM2M standard, benefits of global standardization, issues related to oneM2M's standardization framework as well as the formal roles of regional standardization bodies and the ITU.

- **8th edition of BIF's Annual Flagship event - India SatCom 2022:**
  - to provide various dimensions related to impact of Space Policy and the rapidly evolving new Satcom technologies, integration of Satcom with 5G and 6G, evolution of new business models, and other critical policy and regulatory measures required to facilitate the role of Satcom in Digital Inclusivity.

- **Global Conference on "Growth of the IoT/M2M Ecosystem through Standardized Implementations" organized by C-DOT, in association with DoT:** to provide a knowledge sharing platform where, foreign and Indian experts from oneM2M, academia, R&D, industry and senior officials from Ministries of Communications, MoHUA and authorities involved in Indian Smart Cities project.

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Key Events/Workshops 3(3)

Electrical & Consumer Electronics:

- **IESA open webinar on EV Charger report:**
  - A presentation was made on the "third edition of India EV charger market Overview" released by Customized Energy Solutions in October 2022.

Energy Efficiency incl. Circular Economy:

- **2nd edition of Hybrid Workshop on "Circular Economy: Environmental Design & Labelling - Role of Standards & Policy in India and EU" organized by SESEI along with EU-REI, CEN-CENELEC, ECOS, and TERI:**
  - This workshop on Eco Labelling and Eco Design was conceptualized to create a dialogue and discussion between EU and Indian stakeholders towards synergies in the approach for ECO Design and Labelling standards and policies both in EU and India.
  - Domain Experts, Policy Makers and standards influencers as well as Industry experts were invited to speak at this workshop and share their unique perspective, share best practices and insights on this important topic.
  - Detailed event report and presentations are available here>>
- **FICCI Conference on Water, Sanitation and Waste Management Relevance of Quality Infrastructure (QI) for Circular Economy:**
  - SESEI attended this conference to gain and update information and knowledge on Water, Sanitation and Waste Management.
- **6th edition of FICCI CIRCULAR ECONOMY SYMPOSIUM 2022:**
  - The deliberations touched upon the role of circularity in achieving Net Zero, Circular financing and green investment as key enablers, policy imperatives to drive circularity, role of digitalization, global best practices, and solutions.
- **Webinar on "Awareness on Waste Management: Implications & Challenges" organized by VINCULAR Testing Labs India Pvt. Ltd.**

Queries

Generic:

- Shared annual Work Program of EC, ETSI and CEN-CENELEC: BIS
- Information on Indian Standards around furniture developed by CED 35 of BIS: IKEA Range & Supply

Smart mobility:

- Information on frequency bands which are reserved for ITS cooperative systems to operate in Vehicle and infrastructure in Europe: Bureau of Indian Standards (BIS)
- Information on EN standard on Lifts adopted by India: European Commission

Electronics:

- Information on printing of QR code on the packaging of electronics products: Katoe Natie

ICT:

- Provided inputs to draft technical report on Security by design Principle for IoT being prepared by TEC: TEC
- Shared EU perspectives on IoT and some write ups, reports, studies etc.: Voice & Data
- Information of 5G Rollout in India covering implementation timelines of Operators, 5G Handset in India, readiness to 3GPP release based 5G and roaming & readiness for 5Gi, Network Topology and Architecture adopted by Reliance and Airtel, network offerings of Ericsson and Nokia: ETSI
- Provided information on 5G - Captive Non-Public Network (CNPN) license and the draft Telecommunication Bill, 2022: ETSI

Smart City:

- Provided inputs to GBI /Leena Thomas' study report on smart city being prepared by Global Business Inroads (GBI): GBI

Key Draft Standards 1(3)

@ Electrical Equipment including Consumer Electronics:

At BIS:

- ETD 25(19683): Requirements of Lifts for Persons with Disabilities Second Revision
- ETD 7(21510): Low-voltage switchgear and control gear Part 6-1: Multiple function equipment Transfer switching equipment
- ETD 11(21558): Stationary Batteries Lead-Acid Type with Pasted Positive Plates Specification Third Revision
- ETD 51(21658): Electric Vehicle Conductive Charging Systems Part 30 Dual Gun dc Electric Vehicle Supply Equipment
- ETD 51(21660): Electric Vehicle conductive charging system Part 31: ac or dc EV supply equipment for where protection relies on electrical separation

@ Services
At BIS:

- SSD 19(18925): SERVICES - GLOSSARY OF TERMS
- SSD-I 9(20698): Online Consumer Reviews Principles and Requirements for their Collection Moderation and Publication

@ Smart City

At BIS:

- CED 59(21289) : Smart Community Infrastructures — Smart Transportation for Compact Cities — Guidelines
- CED 59(21650): Smart Community Infrastructures Smart Transportation for Rapid Transit in and between Large City Zones and their Surrounding Areas Guidelines

Key Draft Standards 2(3)

@ Mobility:

At BIS:

- [TED 7(21146)](#) : Automotive Vehicles — Pneumatic Tyres for Two and Three-Wheeled Motor Vehicles, Quadricycles and E-Rickshaw/E-Carts — Specification
- [TED 22(19022):](#) Performance testing of powered industrial trucks working in hazardous areas: Part 2 electric battery powered industrial trucks
- [TED 6(19958):](#) Specification for moped seat pillars
- [TED 14(21268):](#) Aircraft Ground Equipment - Basic Requirements: Part 2 Safety Requirements

At ARAI:

- [Draft Amd 3 to AIS-137 (Part 1):](#) Test Method, Testing Equipment and Related Procedures for Type Approval and Conformity of Production (COP) Testing of L2 category Vehicles for Bharat Stage VI emission norms as per CMV Rules 115, 116 and 126
- [Draft Amendment 3 to AIS-160:](#) Safety Requirements for Construction Equipment Vehicles(s)

At RDSO:

- [RDSO/EL/SPEC/2017/0126 Rev. '1':](#) Draft Specification for Computer/ Microprocessor Controlled Air Brake System with Advanced Features For 3-Phase Electric Locomotives
- [RDSO/2008/EL/SPEC/0071, Rev. '6':](#) Draft Technical Specification for DESIGN, DEVELOPMENT, SUPPLY AND COMMISSIONING of IGBT BASED 3-PHASE DRIVE PROPULSION EQUIPMENT ON WAG9/ WAG9H/ WAP7/ WAP5 ELECTRIC LOCOMOTIVES
- [Document No. STT/TAN/IP-MPLS/2020 Version 1.0 First Issue Dec- 2020:](#) IP-MPLS TECHNOLOGY FOR UNIFIED COMMUNICATION BACKBONE ON INDIAN RAILWAY

Key Draft Standards 3(3)

@ ICT

At BIS:

- [LITD 27(20031):](#) Information technology Open Connectivity Foundation OCF Specification Part 2: Security specification
- [LITD 27(20034):](#) Information technology Open Connectivity Foundation OCF Specification Part 5: OCF device specification
- [LITD 27(20037):](#) Information technology Open Connectivity Foundation OCF Specification Part 8: OCF resource to oneM2M resource mapping specification
- [LITD 29(20728):](#) Blockchain and distributed ledger technologies Reference Architecture
- [LITD 29(20731):](#) Blockchain and distributed ledger technologies — Use cases
- [LITD 30(20717):](#) Framework for Artificial Intelligence AI Systems Using Machine Learning ML
- [LITD 30(21245) :](#) Information Technology Artificial Intelligence Overview of Ethical and Societal Concerns

At TSDSI:

- 11 New Item proposals, 1 study items and 15 SWIC (Study Work Item Contribution) are under review covering topics of 5G and beyond, Metaverse, 6G etc

At TEC:

- [TEC 91000:2022:](#) Quantum Key Distribution System
- [TEC 23070:2022: Compact LTE Mobile System](#)
- [TEC 71120:2022:](#) Converged Multi-Service Application Access Equipment

Planned Activities – Next Quarter

- Preparation for Final Report for SESEI IV

- Organization of Meetings for ETSI Official Visit in February 2023

- Conduct final steering committee meeting

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