



Quarterly Report No. 12

(April-June 2022)

Brief Summary

July 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

- **Training & Exposure Visit of BIS Delegation with EU stakeholders starting from 27th June 2022 until 6th July 2022, under the provisions of MoU recently signed b/w BIS-CEN-CENELEC and ETSI**
 - A very successful and productive study visit was designed and executed by SESEI project in coordination with all the SESEI Project Partners for a delegation of twenty BIS officials.
 - The 10-day study tour comprised of presentations and updates from European Commission, EFTA, BELAC - the Notified Accreditation Body of Belgium, CEN-CENELEC, Consumer organization involved with the standards making process (ANEC), Trade Union body working with standards development organization in Europe (ETUC) and the National standards body AFNOR.
- **Successful Organization of Webinar on “Cyber Security for Consumer IoT” jointly organized by Telecommunication Engineering Centre (TEC), Telecom Department (DoT) along with Delegation of the European Union to India including Project InDiCo and SESEI, on 12th May 2022**
 - Recording, presentations and Q/A of webinar are [available here>>](#)
- **Release of SESEI Report on EU-EFTA funded projects in India 2022 (Project ToR deliverables)**
 - Download [report](#) and [Presentation](#)
- **36 External Meetings, 5 Internal Meetings, 29 Events/Workshop participation and addressed 4 Industry queries or provided inputs.**

Key Meetings 1 (7)

Meeting with BIS:

Generic:

Training & Exposure Visit of BIS Delegation with EU Bodies starting from 27th June 2022 until 6th July 2022 : under the provisions of MoU recently signed b/w BIS-CEN-CENELEC and ETSI

Description	Total Until now	Last Qtr (April, May, June)
External Meetings	414	36
Internal Meetings	90	05

❖ Meeting with European Commission officials

• **European Commission DG GROW & DG TRADE:**

- Introduction and discussion around EU-INDIA Partnership, European Standardization System (ESS), Indian Standards National Action Plan (SNAP)/Indian National Strategy for Standardization, BIS MoU with ETSI & CEN-CENELEC and Standards & TBTs, Economic Benefits of Standards", "Integration of Standards for MSME's and SME's", Market Surveillance, notified Authority, Conformity Assessment & Lab ecosystem with (Testing & Accreditation Lab)

• **European Commission DG-CNCT:**

- ICT Partnership Instruments & JWG, Artificial Intelligence and Accessibility

• **European Commission DG-RTD:**

- Session on Horizon Europe Research & Innovation (Standards based Research)

• **European Commission DG-ENV (Environment) on issues related to:**

- Circular Economy, Eco-Design, Green Deal, Clean Tech, and Renewables

❖ Visit to Belgium Notified Authority and Lab (BELAC):

- To understand the process of accreditation for the labs, the overview of the accreditation and conformity assessment ecosystem, key actors, legislations, NANDO, etc.

❖ Meeting with EFTA officials:

- EFTA structure and activities aligning with EU Standards and related policies etc.

❖ **ANEC (The European Consumer Voice in Standardization):**

- Consumer participation in standardization & Case Study of Common Chargers

❖ **ETUC (European Trade Union Confederation) (www.etuc.org):**

- Role of Trade Union in Standardization & Policy Making

Key Meetings 2 (7)

Description	Total Until now	Last Qtr (April, May, June)
External Meetings	414	36
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Continue....:

❖ **CEN-CENELEC Management Centre (CCMC): Series of technical & knowledge sessions were organized with the key officials at CEN CENELEC and ECOS:**

- BIS gave update on SNAP (Standards National Action Plan) and their expectations on implementation of MoU with CEN and CENELEC.
- CEN CENELEC shared update on CEN-CENELEC Strategy 2030, the European Standardization System and CEN-CENELEC Research & Innovation activities (Standards based Research)
- CEN CENELEC interactions with their members and with ISO/IEC:
 - The role of NSOs in CEN-CENELEC Technical bodies and how they are integrated in CEN and CENELEC technical work
 - Harmonization of European standards with ISO and IEC, especially in the work of ISO/IEC/JTC1
- Climate change, Green Deal, clean technologies, circular economy, Batteries and renewable, Artificial intelligence, data governance, and ICT
- Short presentation on "IEC CB Schemes"
- Short presentation on "Role of Environmental Organization in Standards & Policy Making"

ICT:

- **13th meeting of Interconnection and Information exchange among IT equipment and systems of the BIS:**
 - to review the review and reaffirm the published Indian Standards as well as the International Activities in this domain.

Mobility:

- **14th Meeting of Intelligent Transport Systems Sectional Committee of BIS:**
 - SESEI is the member of the sub-committee on "Study of the existing ISO standards formulated by ISO/TC 204".
 - SESEI along with the members will share the recommendations to TED 28 vis-à-vis the ISO standards to be taken up for adoption as per the national context and provide update on EU work around ITS.

Key Meetings 3 (7)

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

Generic:

- **Meeting with Dr Michael Bucki, Counsellor, EU Delegation to India to have a synergy of Project SESEI with other ongoing EU-INDIA Project under his leadership**
 - SESEI expert gave a brief introduction of Project SESEI, and its achievements. He also provided its survey report, interim report, Report on Smart Cities and Mobility as released by SESEI. Information was also shared on Indian National Strategy for Standardization (INSS), Standards National Action Plan (SNAP), update of BIS ACT, Rules, and Conformity Assessment regulation.
- **Conference call Meeting regarding EU SME Business support workshop:**
 - Meeting requested and suggested by Mr. Michael Buki EU Delegation to India and Joanna Pyres Associate and Accredited Partnership Broker and Trainer, with SESEI to seek update and information on the EU SME Business.
- **Meeting with EBTC on Trade and Innovation Support in India - an EU tender:**
 - to discuss recommendation on possible project partners around Digitalization and innovation.

ICT:

- **Preparation Meetings for the proposed Online Workshop/Webinar on Cyber Security – M2M/IoT:**
 - List of action items, the timelines, responsibilities and status are discussed during the meetings.

Key Meetings 4 (7)

Continue....:

Mobility:

- **Meeting b/w SESEI & Piaggio to discuss Battery Swap Standards activities in India:**
 - SESEI provided details on the BIS standard under development for battery swapping, which will be implemented for the electric vehicle, battery safety requirements, Degrees of Protection (IP-code) of electrical equipment against foreign objects, technical specification of cables and connectors, and traction battery safety requirements. Testing and certification of the batteries as per AIS 156 (2020) and AIS 038 Rev 2 (2020) standards. Other important decisions and directions by the ARAI, BIS, and Ministry of Power in this area.
- **Meeting with Mr. Enrico Maria Mayrhofer, Head of Regulatory Affairs & Executive Vice President of Piaggio Group:**
 - exchange on policy and regulatory status in India.
 - SESEI also organized meetings with the important officials in India to have a discussion around electric mobility policy, regulation and standards and exchange update from Europe and explore synergies as a way forward.
- **Meeting with Officer from Department of Science & Technology:**
 - exchange and discussion around electric mobility policy, regulation and standards and exchange update from Europe and explore synergies as a way forward.
- **Meeting with (Electro Technical Department), BIS, Mr. SHYAM KUMAR (EDT 11) and Priti Bhatnagar (Head of EDT) at BIS**
 - exchange on latest Battery and EV related standards activities in India and Europe.

Circular Economy:

- **Discussion Meeting with EU Delegation to India and Global Business Inroads on a webinar on "Biodiversity means Business II":**
 - The EU Delegation to India along with Global Business Inroads (GBI) approached SESEI to seek update and information on issues related to adapting the EU Green Deal Strategy in India (as regards biodiversity in land use, coastal areas, and green infrastructures/nature-based solutions).
- **Meeting with EU-REI and ECOS to discuss Webinar on Eco-Design:**
 - Post the success of Webinar on Role of Standards & Policy in Resource Efficiency and Circular Economy Transition in India and the EU held on 21st January 2022. ECOS reached out to SESEI and EU-REI to schedule another Webinar on the Eco-Design policy and standards.

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Key Meetings 5 (7)

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

ICT:

- **First & Second meeting of the TEC Working group on IoT and 5G Use cases in Agriculture:**
 - TR on IoT and 5G Use Cases in Agriculture to study 5G and IoT based use cases in Smart Village & Agriculture was discussed in detail and the new revisions, contributions were reviewed by the members during the meeting.
- **Virtual Meetings of Working Group (WG) on “Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications”:**
 - Comments and suggestions received from the members for finalization of the document were discussed in detail
 - SESEI suggested some changes in the order of the content in various phases which was agreed by the members.
- **TEC Virtual meeting of working group on Smart Grid:**
 - Inputs/Comments received from working group members were discussed.
- **Virtual meeting of the TEC Consultative Committee for adoption of oneM2M Release 3 specifications to discuss and finalize its draft report:**
 - to discuss and finalize the draft report of this committee.
- **MATCOF (Mandatory Testing Consultative Forum) meeting of IoT Division, TEC:**
 - to review the Essential requirements of the Tracking Device.
 - SESEI as a member of MATCOF attended the meeting.

Key Meetings 6(7)

Description	Total Until now	Last Qtr (April, May, June)
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Meetings with Industry & Associations:

Generic:

- **ASSOCHAM's National Council Meeting on WTO Trade & Investment:**
 - To review of existing BTs, RTA, FTAs and consultation on new FTAs, Standardization of products and recyclable material, Rationalization of customs duty on input and output, Foreign Trade Policy, etc.

ICT:

- **First Meeting of the Sub-committee on Ease of Doing Business organized by FICCI – ICT & MM Division:**
 - SESEI was invited to participate in the meeting and give inputs on the various issues concerning market access which are obstacles for the Ease of Doing Business.
- **2nd Meeting of the Standards Legal & Regulatory Working Group of IET-Future Tech Panel to review the draft White Paper on IoT and Future Technologies.**
 - SESEI has been chair of this committee since its inception in 2015. SESEI along with the members and the IET Secretariat decided to handover the Chairmanship to Mr. Debashish Bhattacharya from Broadband India Forum.
- **Meeting organized by TSDSI** to discuss the input document from Tejas Networks on 'Vision 2030 and Beyond' which provides a detail on the 5G specification.
- **First meeting of DECT Forum India Working Group:**
 - to discuss the preparation for a workshop to be organized to present the DECT business case to Indian authorities and other stakeholders.
- **Discussion on organizing a Hackathon by the PwD Committee of the Broadband India Forum (BIF):**
 - To discuss the draft a concept note for the Hackathon drafted by SESEI and Microsoft.

Circular Economy:

- **Annual Ethnic Socioeconomic & Cultural Heritage Hub Meet for sustainable livelihood goals promotion & development:**
 - Mr. Surajeet Roy, CEO & Chief Trustee, GARUD requested a meeting with SESEI to discuss the Annual Ethnic Socioeconomic & Cultural Heritage Hub Meet for sustainable livelihood goals promotion & development by GARUD (Global Agency for Rural & Urban Development) in Guwahati Assam involving the 8 States of the North-East India & any other neighboring Countries.
- **Focus Group Discussion organized by Global Business Inroads on Thematic Report for Digital Sustainability-Smart Cities Sector in EU-India**

Key Meetings 7 (7)

Description	Total Until now	Last Qtr (April, May, June)
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Meetings with Project Partners:

Generic:

- **Steering Committee Meeting No SC#7 and SC#8:**
 - To discuss the actions items, Project status: Project administration and management as well as Budget snapshot, SESEI Major Activities, and feedback on BIS Training Program, Updates from Partners on other relevant India-related initiatives/activities, Exchange between the Partners and SESEI on other important issues
- **Meeting with Steering Committee Members to discuss BIS Training Cum Exposure Visit Schedule:**
 - to review and update the BIS training program
- **57th CENELEC General Assembly and the 63rd CENELEC General Assembly including 13th Common Session:**
 - As 2022 marks the European Year of Youth, CEN and CENELEC also organized a Young Professional Panel, which serves as a platform for young professionals to shine a light on the importance of European youth to build a better future – greener, more inclusive, and digital through standardization.
- **Meeting with Elena Santiago Cid, Director General at CEN & CENELEC:**
 - SESEI expert during his visit to Europe, held a meeting with Elena Santiago Cid, Director General at CEN & CENELEC and presented an update on the Project SESEI IV activities and milestones achieved.

Key Events 1(4)

Description	Total Until now	Last Qtr (April, May, June)
Events/Seminar/Workshop /Roundtable	402	29

Important Events/ Seminars participated by SESEI

Generic:

- **SBS webinar on EU Standardization Strategy - Reinforcing Europe's role in global standards-setting:**
 - focused on how will SMEs thrive in a new, improved and more inclusive European standardization system? And how can Europe become a true global “standards-setter”?
- **ICRIER-KAS Webinar on “WTO 2.0 in the post-COVID World”:**
 - new areas such as e-commerce and digital trade, pressing issues around environmental sustainability, the TRIPS Agreement and public health; and the role of trade in promoting gender equality.
- **Online workshop of the CEN-CENELEC Sector Forum PPE on Smart PPE – standardization for design:**
 - an update on the development and standardization of smart garments, textiles, and equipment, with feedback on the needs and expectations from users and testing authorities.
- **British Standards Institution (BSI) organized Navigating global landscapes for medical PPE standards:**
 - SESEI Joined industry leaders at the launch of a new benchmarking technical guide to help governments and manufacturers increase the supply of PPE and heard about the importance of international standards harmonization.

Key Events 2(4)

Description	Total Until now	Last Qtr (April, May, June)
Events/Seminar/Workshop /Roundtable	402	29

Smart Cities:

- **EU-Republic of Korea cooperation workshop on IoT and Smart Cities:**
 - to share the European and the Republic of Korea's approaches related to IoT and Smart Cities innovation programs and standards.
- **FICCI 5th Smart Cities Summit and 3rd Smart Urban Innovation Awards**

Mobility:

- **Webinar organized by Keysight on "Setting up Your EV Battery Test Lab for Success":**
 - key learnings were on EV and battery market status, Considerations to equip battery test lab, Battery test lab design strategies

Energy Efficiency incl. Circular Economy:

- **CEN and CENELEC stakeholder workshop on Standards for Climate: Uptake of nature-based solutions in urban and rural areas:**
 - to identify the cross-sectoral gaps and opportunities for the development of new standards to support the uptake of nature-based solutions in urban and rural areas and achievement of global climate objectives.
- **Biodiversity means Business II: Greener EU-India Supply Chains & Technologies:**
 - SESEI coordinated with AFNOR and ensured participation of Caroline LHUILLERY, Chef de projet Normalisation, Standardization Project Manager, AFNOR. Ms. Lhuillery provided an overview of the ISO/TC 331, the structure of TC 331 (its member countries, its working groups, and its projects)
- **Webinar on "E-Waste Management" organized by National Telecommunications Institute for Policy Research, Innovation and Training (NTIPRIT):**
 - E-waste management rules, Modalities of and best practices for E-waste management in Indian Telecom Sector, case studies and ensuring compliance to E-waste rules.

Key Events 3(4)

Description	Total Until now	Last Qtr (April, May, June)
Events/Seminar/Workshop /Roundtable	402	29

ICT:

- **Webinar on “Cyber Security for Consumer IoT” jointly by Telecommunication Engineering Centre (TEC), the technical arm of Department of Telecommunications (DoT) along with Delegation of the European Union to India including Project InDiCo and SESEI**
 - To allow exchange of updates around “IoT Security: Policy Prospective, Legislation & Standards”, “M2M/IoT Testing & Certification: Global, Regional & Local Framework” between representatives of India and Europe and to identify the next steps for the ongoing cooperation in this area.
- **Guest lecture at E&ICT Department of NIT Warangal:**
 - SESEI expert attended the event as a speaker and gave a presentation on “European/Global Standards in AI for Wireless Communication and Sensor Networks”.
- **ENISA-ETSI Joint Workshop: Remote Identity Proofing: Joint ENISA & ETSI Workshop on Remote Identity Proofing:**
 - To explore and discuss remote identity proofing techniques, attacks and countermeasures, the technology users’ point of view, and delve into testing, audit, and standardization.
- **DoT-TEC-TSDSI joint workshop on 5G Advanced and beyond (6G), including for IMT for 2030:**
 - To discuss potential areas of interest for contributions for 5G Advanced and beyond (6G).
- **Putting Science into Standards - workshop on data requirements for inclusive, non-biased and trustworthy AI:**
 - to present needs and recommendations to address data biases and related ethical concerns in the context of AI, map the existing and missing standardization efforts, develop guidelines in view of data quality standards for AI models and propose recommendations to start the process of drafting standards.

Key Events 4(4)

Description	Total Until now	Last Qtr (April, May, June)
Events/Seminar/Workshop /Roundtable	402	29

ICT contd.:

- **3rd Inter-National Conference on Digital Transformation & Innovations in Nex Gen Technologies Cyber Security, 5G, IOT etc. along with 3rd Inter-National Cyber Security Summit & Awards 2022:**
 - To discuss the digital transformation, innovations, new technologies
- **Webinar on “Interoperability in Cloud Computing: Opportunities and Challenges” being organized by NTIPRIT:**
 - to discuss important aspects of Interoperability in Cloud Computing.
- **DOT-TSDSI Webinar series on “IoT/M2M applications for verticals”: Webinar on Utilities”:**
 - to disseminate awareness on how IoT/M2M based technology applications can achieve efficiencies in delivery of services to end users in a cost-effective manner
- **2nd edition of Open RAN India 2022:**
 - to understand and formulate strategies to enhance the networks in line with business needs.
- **Celebrating World Wi-Fi Day 2022 organized by BIF by way of Webinar:**
 - Vital aspects of Public Wi-Fi and PM WANI
- **FICCI organized the 2022 edition of “Digital Bharat”:**
 - to understand and recommend policy approaches in the larger interest of the society to meet the objectives laid out under the Digital India programme.

Key Queries

Description	Total Until now	Last Qtr (April, May, June)
No of Queries	103	04

Generic:

- List of European standards adopted/Implemented in India: European Commission

Electrical & Electronics:

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

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

Key Draft Standards 1(3)

@ Electrical Equipment including Consumer Electronics:

At BIS:

- [ETD 7\(19612\)](#): LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR PART 1 GENERAL RULES
- [ETD 35\(19388\)](#): Electromechanical elementary relays - Part 10: Additional functional aspects and safety requirements for high-capacity relays
- [ETD 9\(19637\)](#): Conductors for insulated electric cables and flexible cords - Specification (Second Revision) Amendment – 1
- [ETD 12\(19502\)](#): SPECIFICATION FOR DC MOVING COIL GALVANOMETERS
- [ETD 35\(19389\)](#): Measuring relays and protection equipment - Part 187-1: Functional requirements for differential protection - Restrained and unrestrained differential protection of motors generators and transformers

@ Services

At BIS:

- [SSD-II 10\(18945\)](#): Information Technology Cloud computing Edge computing landscape
- [SSD-II 10\(18946\)](#): Information Technology Cloud Computing Common Technologies and Techniques
- [SSD-II 10\(18944\)](#): Information Technology Cloud Computing Taxonomy Based Data Handling for Cloud Services
- [SSD-I 3\(19280\)](#): Banking Banking telecommunication messages Business identifier code BIC Second Revision

Key Draft Standards 2(3)

@ Mobility:

At BIS:

- [TED 6\(19526\)](#): AUTOMOTIVE VEHICLES FUEL TANKS FOR TWO WHEELERS THREE WHEELERS AND QUADRICYCLES Amendment – 1
- [TED 27\(18135\)](#): Electric Power Train Vehicles Part 2 Method of Measuring the Range Amendment – 1
- [TED 27\(18136\)](#): Electric Power Train Vehicles Part 3 Measurement of Net Power and the Maximum 30 Minute Power Amendment – 1
- [TED 7\(19591\)](#): TYRES ELECTRICAL RESISTANCE TEST METHOD FOR MEASURING ELECTRICAL RESISTANCE OF TYRES ON A TEST RIG

At ARAI:

- [Draft Amd 2 to AIS-160](#): Safety requirements for construction equipment vehicles
- [Draft AIS-180/D2/ May 2022](#): Specific Requirements for Motor Vehicles intended for the carriage of Dangerous and Hazardous Goods with regard to their Constructional Features
- [Draft AIS-192/D1/April 2022](#): Uniform provisions concerning the approval of vehicles with regards to Event Data Recorder (EDR)

At RDSO:

- [Final Draft Standard No. RDSO-WD/0001:2022](#): Indian Railway standard for Lockbolt & Collar (for Railway Transportation Sector in India) (first issue)
- [M&C/PCN/053/2020 Rev.-2.0](#): Schedule of technical requirements for infrastructural, manufacturing, testing facilities & quality control requirements for R/M paint synthetic for the system of interior painting of coaches
- [M&C/PCN/043/2020 Rev.-2.0](#): Schedule of technical requirements for infrastructure, manufacturing, testing facilities & quality control requirements of epoxy based anticorrosion coating (two packs) for painting of coaches, bridges, & wagons as per RDSO spec. no. M&C/PCN/123/218

Key Draft Standards 3(3)

@ ICT

At BIS:

- [LITD 1 \(19286\)](#): Environmental testing Part 2: Tests Section 55 Test Ee and guidance Loose cargo testing including bounce
- [LITD 10\(19281\)](#): Energy management system application program interface EMS-API Part 452: CIM static transmission network model profiles
- [LITD 7\(19228\)](#): Digital Audio Interface Part 1: General Second Revision
- [LITD 20 \(19019\)](#): Coding of machine - Readable characters MICR And OCR for information processing
- [LITD 15\(18262\)](#): Information technology Digital publishing EPUB 3.0.1 Part 6: Canonical fragment identifiers
- [LITD 17\(19171\)](#): Information security cybersecurity and privacy protection Biometric information protection

At TSDSI

- 5 New Item proposals and 5 SWIP (Study Work Item Proposal) are under review covering topics of Security, 5G, 6G etc.

Planned Activities for Next Quarters

- Adoption of oneM2M Release 3 as National Standards
- Discuss and Submit Framework License Agreement of CEN-CENELEC
- Organise Bilateral Meetings between CEN-CENELEC-BIS during the next ISO and/or IEC GA
- 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.
- Organise Webinar around Eco-Design with ECOS and EU-REI
- Start preparation for Final Report if no extension

A handwritten message in blue ink that reads "Thank you!". The script is cursive and fluid, with a large exclamation mark at the end.

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(Seconded European Standardization Expert in India)

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