

Quarterly Report No. 12

Standards, Policy & Regulation (‘April – June’ 2022)

July 2022

SESEI IV– Dinesh Chand Sharma

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1. Executive Summary

The quarter of “April to June 2022” was very exciting and productive. Post the signing of MoU between BIS with CEN, CENELEC and ETSI, the speed of cooperation has certainly accelerated which will surely ensure strengthened activities around standards and increased synergies on the areas of cooperation between India and Europe.

On the political front, both India and The European Union (EU) as they resumed talks for the India-EU Free Trade Agreement (FTA) negotiations after a gap of nine long years. The talks were formally re-launched at an event held at the European Union headquarters in Brussels on June 17 by the India's Commerce and Industry Minister Shri Piyush Goyal, and Mr. Valdis Dombrovskis, Executive Vice-President of the European Commission.

Another important update this quarter has been regarding the establishment of “EU-India Trade and Technology Council”. President of the European Commission, Ms. Ursula von der Leyen, and Prime Minister of India, Shri Narendra Modi, agreed to launch the EU-India Trade and Technology Council. This strategic coordination mechanism will allow both partners to tackle challenges at the nexus of trade, trusted technology, and security, and thus deepen cooperation in these fields between the EU and India. The Trade and Technology Council will provide the political steer and the necessary structure to operationalize political decisions, coordinate technical work, and report to the same to political level to ensure its proper implementation and follow-up in the areas that are important for the sustainable progress of European and Indian economies.

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. The agenda provided a wholesome taste of the European standardization process, best regulatory practices, policy making, standards updates, and the key actors involved and their roles. BIS officials found the study tour very productive and enriching experience. The SESEI Project partners also acknowledged the similarities between the India and European standardization policy and the objectives of digitization, sustainability, and inclusiveness.

The other important highlight of this quarter was a [Webinar on “Cyber Security for Consumer IoT” jointly organized 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, on 12th May 2022](#). This webinar was very successful, and more than 150 participants and speakers participated in the webinar and held interactions and exchanged 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.



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SESEI was also approached by the EU organisation - ECOS and the EU-REI project to conduct another follow-up online seminar post success of Webinar on Circular Economy on the topic of ECO design and eco labelling with the identified partners and NGOs involved in the environmental and E-waste issues in India.

M/s Piaggio also approached SESEI to discuss battery swapping standards and other related activities in India. SESEI organized meetings of Head of Regulatory at Piaggio with officer from the Department of Science & Technology and with head of Electro Technical Department at BIS, to discuss around electric mobility policy, regulation, standards, updates from Europe and to explore synergies as a way forward. SESEI also provided details on the BIS standard under development for battery swapping, 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 and Other important decisions and directions by the ARAI, BIS, and Ministry of Power in this area.

Steering Committee Meeting no. 7 and 8 were also held during the last quarter and discussions and decisions concerning the action items and SESEI deliverables were held at length.

Lastly, Project SESEI, in line with Project ToR deliverables of "Mapping of EU/EFTA investments and stakes in India, prepared and released a report on "EU-EFTA funded projects in India 2022.

List of draft standards released by Indian Standards organizations during this quarter is available as Annexure-1 and the detailed activity tracker including list of queries, events and meetings addressed by SESEI Expert as Annexure -2 to this quarterly report.

Warm regards,

Dinesh Chand Sharma
(Seconded European Standardization Expert in India)



2. Key Meetings, Event Participation and Queries

In this section, we are providing you with a snapshot of various activities performed by the SESEI expert during the period starting 1st April till 30th June 2022. Details of all the activities are presented below for discernment. A quick dashboard of the activity summary is provided below:

Sr. No.	Description	Total Until now	In Last Quarter (April to June 2022)
1	External Meetings	414	36
2	Internal Meetings	90	5
3	Events/Seminar/Workshop/Roundtable	402	29
	Total	906	70
4	No of Queries	103	4

Detail of few key meetings and event/workshop participation are briefly summarized below and for more information on all these meetings, events/workshop participations and list of queries addressed, please refer Activity Tracker report submitted as “Annexure -2_Activity Tracker”.

Key Meetings:

Following are the list of few key meetings, SESEI expert addressed during the last quarter (April to June 2022).

Meetings with BIS:

Generic:

- **Training & Exposure Visit of BIS Delegation with EU Bodies: Meeting with European Commission officials:** Under the provisions of the Memorandum of Understanding (MoU) recently signed between BIS-CEN-CENELEC and ETSI. The MoU defines scope of technical exchanges, knowledge sharing and training with provision as listed below to further strengthen the ongoing cooperation in standardization. In this regard, a training and exposure visit to EU was organized starting from 27th June 2022 until 6th July 2022 which will cover all the important EU actors involved in standardization and accreditation activities. The details of the exposure & Training Visit and the various meetings held areas under:

European Commission DG GROW & DG TRADE: The main topics for exchange of latest update and knowledge sharing with DG TRADE and DG GROW are:

- Introduction and discussion around EU-INDIA Partnership: EU-India Strategic Partnership: A Roadmap to 2025



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- Introduction to EUROPEAN STANDARDISATION SYSTEM (ESS): Annual Program, Standardization Strategy including Education about Standardization
- BIS Head of the delegation shared update on Indian developments: 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"
- Session on Market Surveillance, notified Authority, Conformity Assessment & Lab ecosystem with (Testing & Accreditation Lab)

European Commission DG-CNCT: Sessions was held on:

- 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

Notified Authority & Lab, Belgium, BELAC: A session on accreditation system and notification Ecosystem in EU was organized by BELAC. Thomas De Jonghe, Directorate-general Quality and Safety, Technical File Manager BELAC (FOD Economie - SPF Economie) and Ms. Ariane Van Custom, Expert Notification and Accreditation for the Safety Regulations Unit. (Directorate-general Quality and Safety) gave a detailed presentation on the process of accreditation for the labs, the overview of the accreditation and conformity assessment ecosystem, key actors, legislations, NANDO, etc.

EFTA: Ms Hege Marie Hoff, Deputy Secretary-General and Ms Gudrun Rognvaldardottir, Senior Officer addressed a session on:

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

ANEC (The European Consumer Voice in Standardization):

- Chiara GIOVANNINI, Senior Manager, Policy & Innovation, Deputy Secretary-General addressed a session on: Consumer participation in standardization & Case Study of Common Chargers

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

- Guido De Jongh, Advisor, ETUC addressed a session on Role of Trade Union in Standardization & Policy Making

CEN-CENELEC Management Centre (CCMC): Series of technical & knowledge sessions were organized with the key officials at CEN CENELEC and ECOS. The details of the various sessions held are as under:

- Welcome and Introduction to CEN and CENELEC by Mrs. Elena Santiago, DG CCMC
- Bureau of Indian Standards (BIS) official shared update on SNAP (Standards National Action Plan) and their expectations on implementation of MoU with CEN and CENELEC.



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- 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
- Wim de Kesel shared a short presentation on "IEC CB Schemes"
- Pamela Tarif, ECOS also gave a 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:** LITD 13 in joint session with 14th meeting of panel for mobile phones LITD 13/ P1 of the BIS was held. The main agenda of the meeting was 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:** Chairperson and Members of TED 28-Intelligent Transport Systems Sectional Committee were invited for the 14th Meeting of the Intelligent Transport System. Discussion was held on various action items from the previous meeting. The TED Working Group also formed sub-committees to achieve important deliverables for ITS standards in India. 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.

Meetings with DoT/TEC and other government bodies:

ICT:

- **First & Second meeting of the TEC Working group on IoT and 5G Use cases in Agriculture:** ITU has recently formed one focus group on " Artificial Intelligence (AI) and Internet of Things (IoT) for Digital Agriculture FG-AI4A. This focused group at TEC was constituted to have more participation from India in the ITU Focus Group. In view of 5G ecosystem being developed in the country, it is proposed to study 5G and IoT based use cases in Smart Village & Agriculture and prepare a report for the same. In this regard, the first virtual meeting of this working group was held to discuss the composition of the Working Group, Scope of Work and Terms of Reference.



- TEC has previously released a Technical Report on IoT/ICT Enablement in Smart Village and Agriculture. It was agreed that this Technical Report will be used as a basis for the contribution to ITU on IoT and 5G Use cases in Agriculture. The second meeting of the TEC Working Group on Smart Village and Agriculture was held.
- The Technical Report 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”:**
 - The latest version of the draft document on Security by Design document was circulated to all the members. It is also updated that as a part of the Security by Design Document following two documents have been released: Code of Practice for Securing Consumer Internet of Things (IoT), Framework of National Trust Centre for M2M/IoT Devices and Applications, these document are available at <https://www.tec.gov.in/M2M-IoT-technical-reports>. Comments and suggestions received from the members for finalization of the document were discussed in detail during the meeting. SESEI suggested some changes in the order of the content in various phases which was agreed by the members.
 - SESEI also suggested that NTC should establish connectivity with the related CERTs for synchronization of data. On this DDG (IoT) updated that there are already existing guidelines for sharing of data with CERTs. Mr. Aseem Jakhar suggested to contact with other CERTs so that process of sharing the information may be automated. DDG(IoT) requested to give inputs in track-change mode.
 - SESEI suggested circulating a clean copy and discussion only if written comments are received. He also suggested finalizing the document at the earliest for further implementation of the NTC. Any further requirement may be incorporated in the Security by Design document in progress.
- **TEC Virtual meeting of working group on Smart Grid:** The virtual meeting of the Working Group was held to discuss the Draft document on “IoT and 5G applications in Smart Grid”. Inputs/Comments received from working group members were discussed during the meeting.
- **Virtual meeting of the TEC Consultative Committee for adoption of oneM2M Release 3 specifications to discuss and finalize its draft report:** A meeting of Consultative Committee (for adoption of oneM2M Release 3 specifications) was held to discuss and finalize the draft report of this committee. This draft report contains details of the discussions held during the meetings of CC, public comments received from the organizations, brief of oneM2M standards and interworking, final recommendations, and related annexures. During the meeting, suggested changes/ modifications/ inputs, especially on Section- 11 (Summary and Recommendations), related annexures were discussed in detail.
- **MATCOF (Mandatory Testing Consultative Forum) meeting of IoT Division, TEC:** First meeting of the Mandatory Testing Consultative Forum was held to review the Essential requirements of the Tracking Device. SESEI as a member of MATCOF attended the meeting.



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

Generic:

- **Meeting with Dr Michael Bucki, Counsellor, EU Delegation to India:** During the meeting SESEI shared updates around Project activities and its achievement. Meeting was planned and conducted to have a synergy of Project SESEI with other ongoing EU-INDIA Project under his leadership. SESEI 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:** A short meeting was requested by Mr. Ranjith Kumar Jambulingam, Senior Manager, EBTC to discuss recommendation on possible project partners around Digitalization and innovation. EBTC was seeking suggestions / recommendations on prospective partners for entering in competition / tender. SESEI suggested few possible partners to EBTC post understanding the requirement.

Mobility:

- **SESEI & Piaggio meeting: Meeting to discuss Battery Swap Standards activities in India:** Meeting was requested by Piaggio office to discuss the policy and standards activities in India around Battery Standards. Following input as shared prior to call were discussed and way forward agreed to work on it. SESEI has organized meetings with DST, BIS during the visit of Head of Regulatory from Brussels who is visiting India with his president on 5th May. 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:** Mr. Enrico Maria Mayrhofer, Head of Regulatory Affairs & Executive Vice President of Piaggio Group visited India on 5th May 2022. During his visit to India, Piaggio requested meeting with SESEI to have 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. Details of the meeting are as following:



- **Officer from Department of Science & Technology:** Sought exchange and discussion with DST around electric mobility policy, regulation and standards and exchange update from Europe and explore synergies as a way forward. DST also used this opportunity to seek information on "light electric vehicle (2 Wheelers or autos" as they possess an on-board charger. The light EV will charge exclusively using DC power and potentially it can be made scalable from a portable charger to large fixed fast charger stations. And they will not reach 22 kilowatts of power in any case which is the lower limit for DC power as per the European Commission, the IEC, and all standards across the world.
 - During the meeting following points were exchanged on EC Mandate for 10KW Battery, Piaggio battery has connector to avoid water leakage to avoid short circuit. Prototype shall be ready soon. Four organizations in India are taking care of prototype approval and guidance (ARAI, ICAT, ARCI & DST)
 - Indian Battery Swapping guidelines, members of the association and the work done by them. DST is open for a Joint research work on BMS. BMS consortium shall develop a prototype and approach ARAI for prototype approval and take Indian standard to IEC.
- **Meeting with (Electro Technical Department), BIS, Mr. SHYAM KUMAR (EDT 11) and Priti Bhatnagar (Head of EDT) at BIS:** ETD committee of BIS is responsible for Battery and EV related standards activities. The issues discussed mainly were related to Battery and EV related standards activities. Both BIS and Piaggio exchanged notes on the latest developments in India as well as Europe on EV Batteries. Point regarding Communication Protocol was raised while information BIS what & how Piaggio is handling it. Concern around Honda connector which is not symmetrical was raised, which is very important for 10KW Battery. BIS is open for input and amendments of draft Indian standard.
- **Debriefing Meeting for Piaggio with BIS & DST on Batteries for EV's:** SESEI during the meeting updated all discussions held during the visit of Mr. Enrico and suggested the way forward to address it such as pursue with IEC taking up Indian Standard at IEC level, get the pilot approved through ARAI, pursue with DST, Piaggio work around BMS, provide input/comments to draft Indian standard directly or through association, raise objection in the current draft etc.

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). SESEI during the conference call highlighted that.
 - Technical harmonization of activities between EU and India on sustainability, Biodiversity and Green standards is very important.



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- Standards will play a crucial role as already envisaged. Project SESEI (www.sesei.eu) is a standards visibility focused project. Considering the interest of both EU and India, Circular Economy is also a topic of interest to work on for Standards. SESEI will play an active role in bringing the synergies together on this crucial topic.
 - SESEI will check with Project partners especially CEN-CENELEC to contribute or share during this webinar the latest around Standards activities around this topic of Biodiversity Standards.
- **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. The concept discussion meeting was held between Ms. Pamela Tarif, ECOS, Dr. Rachna Arora and Dr. Reva Prakash from EU-REI and SESEI team. EU-REI discussion paper, Consolidate List of NGOs active in India around Environment and a proposed cooperation agreement between ECOS and TERI or other relevant NGO around Standards for Environment was discussed in detail.

ICT:

- **Preparation Meetings for the proposed Online Workshop/Webinar on Cyber Security – M2M/IoT:** SESEI, along with ETSI, TEC, GCF and DCMS are the members of the organizing committee for the webinar and schedule periodic meeting for organization and execution of the Webinar on Cyber Security – M2M/IoT. List of action items are discussed, and the timelines, responsibilities and status are discussed during the meetings.

Meetings with Industry & Associations:

Generic:

- **ASSOCHAM's National Council Meeting on WTO Trade & Investment:** ASSOCHAM INDIA hosted a meeting on WTO Trade & Investment. The meeting focused on 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:** ICT & MM division of FICCI constituted a sub-committee on the Ease of Doing Business, specifically concerning ICT sector. 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. A detailed note based on the preliminary suggestions and comments received from members was prepared for sending written representation to the Ministry on the various issues concerning various Ministries for Ease of Doing Business. Important issues such as



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1. Foreign Trade Agreements (FTA) and Mutual Recognition Agreements (MRA)
2. Products that are already under Compulsory Registration Order (CRO) should avoid certification requirements and duplication of testing.
3. On 22nd September 2021, Mandatory Testing and Certification of Telecom Equipment (MTCTE) proposed the 3rd and 4th phases of MTCTE leading to duplication of the efforts
4. Under Compulsory Registration Order (CRO), provisions should be enabled for parallel testing of the components and sub-assemblies for products.

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**

ICT:

- **Meetings of the IET Future Tech Panel:** IET Future Tech Panel hosted a meeting of all its Working groups for charter presentation and networking meeting. This meeting was held in the hybrid mode. During the meeting, all the working group Chairs and Co-Chairs present the charters of their respective teams in the presence of their members. Standards, legal and regulatory WG charter presentation and update on work done/ongoing by Dinesh Chand Sharma, Chair SLR WG, Director, Standards Public Policy, EU Project SESEI.
- **Second Meeting of the Standards Legal & Regulatory Working Group of IET-Future Tech Panel:** A meeting was called by the IET - Future Tech Panel to review the draft White Paper prepared by the Standards Regulatory & Legal Committee. 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. The main highlights of the meeting were:
 - Discussion and Finalization of the draft White Paper on IoT and Future Technologies
 - New composition of the SLR Committee
 - Part of the draft White Paper focused on the legal requirements and ethics of Future Technologies
- 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:** First meeting of DECT Forum India Working Group was organized to discuss the preparation for a workshop to be organized to



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present the DECT business case to Indian authorities and other stakeholders. During the meeting it was agreed that discussion on the previous efforts & forthcoming strategies for DECT in India should be held amongst the members before approaching to Indian regulators TRAI/DoT (WPC). It was also agreed that a short study report on the different frequency bands for DECT technology in India by an independent 3rd party consulting organization would be commenced.

- **Discussion on organizing a Hackathon by the PwD Committee of the Broadband India Forum (BIF):** SESEI along with the CoChair Ms. Karisma from Microsoft drafted a concept note for the Hackathon. The same was discussed during the meeting seeking comments / inputs from other members. It was also agreed that the proposal will be submitted to the India-EU ICT Standardization Collaboration project.
- **Meeting of the PwD Committee of the Broadband India Forum:** The main issues discussed during the meeting were, finalization of Concept notes on possibility of organizing a Hackathon on assistive technologies developed by Ms. Chhabra, SESEI and with inputs from Dr. Nirmita. Funding, Partner organizations, Timelines etc. It was also agreed that EU-India ICT Standardization collaboration being coordinated by Mr. Arun Mukarji, BIF from India side with TSDSI & ETSI as the partners. A proposal will have to be submitted to them and if they see a synergy, they could be one of the stake holders. SESEI proposed that one comprehensive proposal should be prepared inclusive of Study reports/White Papers/Research Papers, Hackathon, Incubation center etc. This will enable to have a broader estimate of funding as one activity and take the funding one time from the supporting organizations instead of going back to them for each activity separately

Meetings with Project Partners:

Generic:

- **Steering Committee Meeting No SC#7 and SC#8:** The 7th & 8th Steering Committee Meeting of the SESEI Project was held during the quarter period of April to June 2022. The main agenda of the meeting was.
 - Actions items from the previous meetings
 - Project status: Project administration and management as well as Budget snapshot
 - SESEI Expert input on Major Activities, Changes if any in Current Work Programme & Timeline of deliverables 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 along with all the members and freeze any many slots as possible. During the meeting it was also agreed that SESI should approach ECOS, ANEC, ETUC and SBS for possible sessions for the BIS delegation. EFTA very kindly agreed to give their office premises for the said meetings.



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- **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 Event Participations:

SESEI expert participated in following events either to understand the ongoing latest activities around Priority Topics in India or present/share EU updates.

Generic:

- **SBS webinar on EU Standardization Strategy - Reinforcing Europe's role in global standards-setting:** The new Standardization Strategy presented in February by the European Commission is a vital opportunity for an increased role of SMEs in standardization and outlines a series of crucial measures regarding the role of standards in promoting EU sovereignty and the governance and inclusiveness of the European standardization system. The webinar 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”?
- **EBG & MTal Joint Webinar: Strengthening India - European Union bilateral relationship in healthcare:** Medical Technology Association of India - MTal in collaboration with the European Business Group India (EBG) organized a webinar on ‘Strengthening India - European Union bilateral relationship in healthcare’. The event aimed to boost India's trade relationship with EU members. The event was addressed by esteemed panelists, who included policy makers from the government, leaders from the MedTech industry and representatives from Embassies.
- **ICRIER-KAS Webinar on “WTO 2.0 in the post-COVID World”:** The context for the webinar is the intensifying call for reform of the WTO and the establishment of the so called ‘WTO 2.0’, perceived as essential for the WTO to have continued relevance in the post-COVID world. The webinar discussion focused on: 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:** This workshop provided 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. Apart from technical aspects, impacts from other legislative initiatives like data protection, cybersecurity and artificial intelligence were discussed.



- **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.

Smart Cities:

- **EU-Republic of Korea cooperation workshop on IoT and Smart Cities:** The workshop on IoT and Smart Cities is organized with the support of the European Commission DG CONNECT and ETSI from Europe, and the support of the MSIT, the MOLIT and TTA from the Republic of Korea. The objective of this workshop was to share the European and the Republic of Korea's approaches related to IoT and Smart Cities innovation programs and standards. The workshop covered topics in the following areas, Policy Initiatives and Vision for IoT and Smart Cities, Technology, Standards and Use Cases for IoT and Smart Cities, EU-Republic of Korea possible cooperation on Use Cases and Data Interoperability
- **FICCI 5th Smart Cities Summit and 3rd Smart Urban Innovation Awards:** 5th Edition Smart Cities Summit and 3rd Edition Smart Urban Innovation Awards (Virtual Conference and Awards) Theme: Enabling Urban Transformation beyond India@75

Mobility:

- **Webinar organized by Keysight on "Setting up Your EV Battery Test Lab for Success":** The global lithium-ion battery demand in electric vehicles (EVs) is growing rapidly with increasing consumer interest in EVs. More and more Gigafactories are being built around the globe to supply enough batteries to EV manufacturers. Thorough test laboratory planning is required to ensure efficient and reliable testing is performed. In this webinar the key learning 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:** CEN and CENELEC organized an online stakeholders' workshop 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:** The EU Delegation to India along with Global Business Inroads (GBI) organized a full-day online webinar. This event addressed the adaptation, promotion and enforcement of greener corporate and public policies, technology, innovation, and models at the national, state and



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city levels. The scope of discussion encompassed all the elements of the Global Biodiversity Framework but with a specific focus on 4 Aspects of biodiversity conservation restoration in India & EU.

- 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):** This webinar on E-Waste management focused on salient features of 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. The webinar had technical sessions on Introduction to E-Waste and Salient features of E-Waste Management Rules, E-Waste Management in Indian Telecom Sector- Modalities & Best Practices, Ensuring Compliance to the E-Waste Rules

ICT:

- **Webinar on “Cyber Security for Consumer IoT”:** 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. A webinar on CYBERSECURITY for M2M/IoT was organized 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, on 12th May 2022.
 - This webinar was attended by around 150 participants across the globe and the presentations were made by experts from India and Europe. Eminent speakers from the European Commission (EC), the UK Department for Digital Culture Media and Sport (DCMS), the European Union Agency for Cybersecurity (ENISA), ETSI, TSDSI, the India Future Foundation, Idemia, DEKRA and the Global Certification Forum (GCF) shared their knowledge on IoT Security - Policy Prospective, Legislation & Standards and M2M/IoT Testing & Certification - Global, Regional & Local Framework.
 - The webinar was organized in two technical sessions chaired by DDG(IoT) and DDG (MTCTE), TEC. Some of the topics were related to the technical report Code of Practice for consumer IoT security released by TEC, which provides baseline requirements consistent with the recommendations from ETSI EN 303 645. Standards-based approach will allow sustainable solutions to be developed, with the aim to prevent any form of unauthorized access to smart devices and the network. This webinar is in line with the Government of India’s initiatives for the establishment of cyber security infrastructure and to safeguard and secure consumer devices, utilities, and industrial equipment.
- **Guest lecture at E&ICT Department of NIT Warangal:** SESEI expert was invited by E&ICT Academy of NIT Warangal and ECE Department of Raja Rajeswari College of Engineering, Bangalore to give a lecture on Standards work around AI. SESEI expert used this opportunity



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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:** The workshop followed the recent publication of ENISA's report on "Remote Identity Proofing - Attacks & Countermeasures" and the recent ETSI Technical Specification TS 119 461 on "Policy and security requirements for identity proofing". During the event experts explored and discussed 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:** As part of the ongoing activity for adoption of 3GPP Release 18, DoT along with TEC and TSDSI conducted a workshop on 5G advanced and beyond (6G) for IMT 2030. As a part of this workshop, deliberations were held with TSDSI members/ 3GPP IMs with inputs from other stakeholders on 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:** The 2022 PSIS workshop focused on the topic of “Data quality requirements for inclusive, non-biased, and trustworthy artificial intelligence”. The objective of the workshop is to present current and future 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.
- **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:** The session discussed digital transformation, innovations, new technologies as they are relevant to International Education for Skilling, employability, technological development.
- **FTTH India Summit 2022 - 5th Edition: Bharat Exhibitions along with the Broadband India Forum organized the 5th successive edition of FTTH India Hybrid Summit 2022**
- **Webinar on “Interoperability in Cloud Computing: Opportunities and Challenges” being organized by NTIPRIT:** This Webinar brought together the panel of experts from Government, Industry and CSPs to discuss important aspects of Interoperability in Cloud Computing.
- **DOT-TSDSI Webinar series on “IoT/M2M applications for verticals”: Webinar on Utilities:** A joint webinar series on “IoT/M2M applications in key application verticals” was organized by DoT and TSDSI, to disseminate awareness among key line ministries on how IoT/M2M based technology applications can achieve efficiencies in delivery of services to end users in a cost-effective manner and motivate them to adopt such technologies. The webinar showcased global and domestic applications, including pilots/field trials/deployments in verticals



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tentatively spanning transportation, Utilities, Agriculture, Health, Industry 4.0, and Smart Cities.

- **StandICT.eu 2023 - Walk & Talk Webinar - "Emerging DLT Standards - Connecting the networks"**: The webinar on the Emerging DLT Standards and Networks was organized to seek information on where we are on the roadmap to global, ubiquitous adoption, Are DLTs fundamental to the world wide web of global trade, and does apply games theory work in cooperative multi-party enterprise? Or is the Metaverse the Tragedy of the Commons write large?
- **CII Webinar on Impact of Data Protection Bill on Healthcare Sector**: CII organized a webinar on Data Protection bill's impact on 'Healthcare Sector'. The webinar focused on taking industry representatives through the upcoming data protection law and elaborate on the critical impact that it may have on the Healthcare sector.
- **2nd edition of Open RAN India 2022**: The conference was a dynamic forum for senior executives of leading telecom operators, enterprises, and Govt. agencies to understand and formulate strategies to enhance the networks in line with business needs. Open RAN will help the Atmanirbhar Bharat movement, and some companies have already started showing momentum in this regard.
- **Celebrating World Wi-Fi Day 2022 organized by BIF by way of Webinar**: BIF organized session of Digital Dialogues in fete of World Wi-Fi Day. An initiative of the Wireless Broadband Alliance (WBA), World Wi-Fi Day is a global annual event to recognize and celebrate the significant role of Wi-Fi in getting cities and communities around the world connected, and champions the cause of developing exciting and innovative solutions to help bridge the digital divide. This year, the key focus of the session was on the vital aspects of Public Wi-Fi and PM WANI.
- **FICCI organized the 2022 edition of "Digital Bharat"**: The prime objective of this initiative was 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:

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

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- 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**

3. 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

4. Glossary

S. No	Acronym	Expansion
1	5G	Fifth Generation
2	AAL	Active Assisted Living
3	ACC	Advanced Chemistry Cell
4	AI	Artificial Intelligence
5	ASEAN	Association of SouthEast Asian Nations
6	BIF	Broadband India Forum
7	BIS	Bureau of Indian Standards
8	CE	Circular Economy
9	CEN	European Committee for Standardization
10	CENELEC	European Committee for Electro-technical Standardization



11	COAI	Cellular Operators Association of India
12	C-V2X	Cellular Vehicle-to-Everything
13	C-DoT	Centre for Development of Telematics
14	DoT	Department of Telecommunications
15	EBG	European Business Group
16	EC	European Commission
17	ECR	Energy Consumption Rating
18	EEG	European Economic Group
19	ETD	Electro-Technical Department
20	ETSI	European Telecommunications Standards Institute
21	EU	European Union
22	EV	Electric Vehicle
23	FAME	Faster Adoption and Manufacturing of (Hybrid) and Electric Vehicles
24	GCF	Global Certification Forum
25	GISFI	Global ICT Standardization Forum for India
26	GoI	Government of India
27	ICT	Information and Communication Technology
28	ICT RA	ICT Reference Architecture for Smart Cities
29	IoT	Internet of Things
30	IOTSF	Internet of Things Security Foundation
31	ISGF	India Smart Grid Forum
32	ITU	International Telecommunication Union
33	LiFi	Light Fidelity
34	LITD	Electronics and Information Technology Division Council
35	M2M	Machine to Machine
36	MEITY	Ministry of Electronics and Information Technology
37	MNRE	Ministry of New and Renewable Energy
38	MoHUA	Ministry of Housing & Urban Affairs
39	MoP	Ministry of Power
40	MoRTH	Ministry of Road Transport and Highways
41	MoU	Memorandum of Understanding
42	NCCS	National Centre for Communication Security
43	NCSC	National Cyber Security Coordinator
44	PLI	Production Linked Incentive
45	PWD	Person with Disability
46	R&D	Research & Development
47	RDSO	Research Design & Standards Organization
48	RE	Resource Efficiency



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50	SDG	
51	SG	Study Group
52	SSD	Service Sector Department
53	TEC	Telecom Engineering Centre
54	TRAI	Telecom Regulatory Authority of India
55	TSDSI	Telecommunications Standards Development Society India
56	VLC	Visible Light Communication
57	WG	Working Group

