Annexure 2

Activity Tracker & Queries for the period of 'Oct-Dec 2022'

Quarterly Report No. 14

Sr. No.	Description	Total Until now	In last Quarter (Oct, Nov, Dec.)
1	External Meetings	484	28
2	Internal Meetings	101	6
3	Events/Seminar/Workshop/Roundtable	450	24
	Total	**1035**	**58**
4	No of Queries	124	10

SESEI-IV

Quarterly Activity Update: July to October to December 2022

Sr. No	CAT	Date	Meetings/Events:	Subject:	Outcome:	What Next	Status	Sector
1	E	01-12-2022	OneM2M International Conference on "The Journey to Massive IoT through Interoperable and Open Standards"	oneM2M organized an international conference on "The Journey to Massive IoT through Interoperable and Open Standards". The Conference was held in a hybrid manner the main event was held at TTA Premises, S. Korea and virtually over GoTo Webinar platform. The event was held over the course of two days, i.e. from 1st and 2nd December 2022	This conference aims to illustrate the technical and innovation potential of open-standard, scalable and interoperable IoT systems. Presenters described IoT systems based on the oneM2M standard. They shared developer and deployment experiences while illustrating the benefits of global standardization. In addition to technical specifications, multi-year standardization roadmaps are a proven way to address new requirements. Interoperability testing and certification are also important to building trust in IoT systems. These issues were discussed in terms of oneM2M's standardization framework as well as the formal roles of regional standardization bodies and the ITU. During the conference presentations and discussions were held on: - Overview of oneM2M Releases - Security Aspects in oneM2M - CDOT Common Services Platform (CCSP) - Device Data Orchestration using oneM2M	N/A	Closed	ICT

					- Lessons learned while developing oneM2M on cellular devices - oneM2M deployments overview - Smart City Living Lab - One Stop Platform to Connect, Discover and Share Smart city solutions - Talk on Korea deployments - Certification / Compliance Ecosystem				
2	E	02-12-2022	Hybrid Workshop on Circular Economy: Environmental Design & Labelling - Role of Standards & Policy in India and EU	European Union's Resource Efficiency Initiative (EU-REI) along with the Seconded European Standards Experts in India (SESEI), European Standards Organizations CEN-CENELEC in partnership Environmental Coalition on Standards (ECOS), and TERI organized the second edition of the Hybrid Workshop on Environmental Design & Labelling - Role of Standards & Policy in India and the EU. 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.	The hybrid workshop was held on 2nd December 2022 at India Habitat Centre and was also available on the Webex platform for virtual participation. The workshop was attended by more than 110 delegates (52 attended physically and 59 delegates joined online). 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. The workshop was divided in four sessions, providing detailed discussion and time to the speakers to elaborate on the topics. Session1: High Level Panel on Need and Role of Environmental Design & Labelling for achieving Circular Economy and Resource Efficiency Session 2: Environmental Design & Labelling: Vision, Policy Initiatives and Roadmap for the Future Session 3: Environmental Design & Labelling: Standards Perspective & Partnerships Session 4: Fireside Chat: High Level Panel on Need and Role of Environmental Design & Labelling for	N/A		Closed	Circular Economy

					achieving Circular Economy and Resource Efficiency Detailed event report and presentations are available at below link: https://sesei.eu/hybrid-workshop-on-circular-economy-eco-design-labelling-role-of-standards-policy-in-india-and-eu/			
3	M	05-12-2022	Hosting of oneM2M TP - in India during February 2023	A conference call meeting was held to discuss the forthcoming Technical Plenary of the OneM2M scheduled to be held in India from 20th to 24th February 2023.	The conference call meeting was held between Xavier Piednoir, ETSI and SESEI Team. A brief overview of the meeting requirements and specifications was discussed and possibility of holding an Industry Day was also discussed during the meeting. SESEI suggested to hire an agency for all arrangements. SESEI also provided all required support for the technical plenary.	Follow up on action items	Open	ICT
4	E	05-12-2022	Closed Door Session on "Decoding the impact of the proposed Digital Privacy Law & Telecom bill on the Europe-India Business	A closed-door session on the Digital Privacy Law and Telecom Bill was organized by European Business Technology Centre (EBTC). The aim of the session was to discuss in detail the proposed draft bill by the Indian Government on the Privacy Law.	EBTC organized an exclusive Closed Door Session on 'Decoding the impact of the proposed Digital Privacy Law & Telecom bill on the Europe-India Business Corridor'. The session involved select thought leaders and key industry players with expertise on the respective bills. The key aspects of focus included: • Digital Personal Data Protection (the new bill, proposed by the Ministry of Electronics and Information Technology in November 2022) • Draft Telecommunication Bill 2022 (the	N/A	Closed	ICT

| | | | | | government opened a public consultation on the bill through October 2022)

SESEI expert was invited by EBTC to share his thoughts and insights on the proposed Telecommunication Bill. | | | |
|---|---|---|---|---|---|---|---|---|
| 5 | E | 06-12-2022 | Webinar on TBT Enquiry point and Telecom standards in PPP-MII Policy | TEC in association with TEPC is organized a Webinar on TBT Enquiry point and Telecom standards in PPP-MII Policy | Telecom Engineering Centre (TEC) in association with Telecom Equipment and Services Export Promotion Council (TEPC) organized a webinar on TBT Enquiry point and Telecom standards in PPP-MII Policy to brief on the TBT Enquiry Point and its role in addressing the concerns of Indian telecom equipment exporters. | N/A | Closed | Generic |
| 6 | E | 13-12-2022 to 14-12-2022 | 8th edition of BIF's Annual Flagship event - India SatCom 2022 | India Satcom 2022, was hosted by Broadband India Forum 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, help improve ease of doing business and bring associated investment occasions (both domestic and foreign) into the sector. | This event focuses on Policy, Regulatory & Technology related aspects of Satellite Communications with participation from all vital stakeholder groups, including relevant Ministries and Departments of the Government, concerned Space Agencies, Technology solutions providers, allied sector representatives, and leading global and National Satcom players.
- During the event the upcoming Space Policy/Bill and government measures on the policy as well as regulatory fronts in recent times, were discussed in detail.
- Satellite based broadband in India is well on its way to becoming a part of the mainstream efforts to augment the immense work being done to bridge the digital divide and achieve Broadband for All in | N/A | Closed | ICT |

				the fastest and most affordable manner. - New initiatives from the Government, coupled with a vibrant industry raring to get into action, expect to see Satcom play an increasing role in providing inclusive digital connectivity to the farthest, remotest and most difficult-to-reach regions of the country. - The event also provided overview of the various technological solutions, business models and other critical policy and regulatory measures required to facilitate the role of Satcom, help improve ease of doing business and bring associated investment opportunities into the sector. SESEI expert attend the event to gain knowledge and updates around Space Policy, new Satcom technologies, integration of Satcom with 5G and 6G, new business models, and other critical policy and regulatory measures required to facilitate the role of Satcom in Digital Inclusivity.		

No.		Date			Description		Status	Category
					the fastest and most affordable manner. - New initiatives from the Government, coupled with a vibrant industry raring to get into action, expect to see Satcom play an increasing role in providing inclusive digital connectivity to the farthest, remotest and most difficult-to-reach regions of the country. - The event also provided overview of the various technological solutions, business models and other critical policy and regulatory measures required to facilitate the role of Satcom, help improve ease of doing business and bring associated investment opportunities into the sector. SESEI expert attend the event to gain knowledge and updates around Space Policy, new Satcom technologies, integration of Satcom with 5G and 6G, new business models, and other critical policy and regulatory measures required to facilitate the role of Satcom in Digital Inclusivity.			
7	M	13-12-2022	Brainstorming Session organized by MAIT on incentivizing use of recycled materials in domestically manufactured electronic equipment	Manufacturers` Association for Information Technology (MAIT) organized a session on incentivizing use of recycled materials in domestically manufactured electronic equipment	Ministry of Environment, Forest and Climate Change (MoEF&CC) has sought suggestions/views of the Industry on Incentivization of the use of recycled plastic and recycled materials in electronic devices manufactured domestically only. In this connection, MAIT organized a meeting of its members to deliberate on the subject.	N/A	Closed	Circular Economy

| 8 | E | 14-12-2022 | Global Conference on "Growth of the IoT/M2M Ecosystem through Standardized Implementations" on 14th and 15th of December 2022. | C-DOT, in association with Department of Telecommunications, Ministry of Communications, Government of India organized a two-day Global Conference on "Growth of the IoT/M2M Ecosystem through Standardized Implementations" on 14th and 15th of December 2022. | SESEI works closely with CDOT on the OneM2M technology and standards. CDOT invited SESEI to attend the conference and also took suggestions on the topics and suggested speakers, prior to the conference.

The aim of the conference was 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 can interact to share knowledge and experiences.

This event was attended by a wide spectrum of audience from Govt and Industry who are involved in policy/planning/implementation/deployment of IoT/M2M solutions in the country. There was also an exhibition of products and solutions during the conference.

The Conference provided overview on;
- National Standard for IoT Ecosystem in India
- Center of Innovation (COI) : A C-DOT Initiative towards growth of IoT/M2M Ecosystem
- Role of TSDSI in the growth of IoT/M2M in India
- oneM2M Releases: What's new
- ITU-T and oneM2M activities : Creating Global Impact
- BIS reference architecture for IoT
- IoT Standardization : India Perspective | N/A | Closed | ICT |

					- Transportation use case Europe and oneM2M based ITS implementation (AIS 140) - Smart Energy Metering : Requirements of the power sector, issues and challenges - Standards based Smart Metering solutions : Korea/European Case Study				
9	E	16-12-2022	MAIT's Knowledge Session on proposed DESH Bill with EPCES	MAIT organized a Knowledge Session on DESH Bill in association with Export Promotion Council for EOUs and SEZs (EPCES), set up by the Ministry of Commerce & Industry, Government of India	The commerce ministry is planning to introduce the Development of Enterprise and Services Hub (DESH) Bill in the Parliament. MAIT organized a meeting of its members to provide an overview of the proposed new bill - The Government of India plans to bring in new business-friendly legislation through the introduction of the Development of Enterprises and Services Hub (DESH) Bill, 2022. - T**he GoI brought Special Economic Zones (SEZ) Act in 2005 which was aimed to** Provide for the establishment, development and management of the Special Economic Zones for the promotion of exports and for matters connected therewith. The Act was a step in making Indian laws business and investment friendly and to fillip ease of doing business. **- After more than 15 years the government is bringing a new legislation called the Development of Enterprises and Services Hub (DESH) Bill, 2022.** As part of the negotiations before the bill is presented the commerce ministry is mulling a proposal for extension of concessional corporate tax of 15 per cent to new SEZ units under the proposed	N/A		Closed	Generic

					DESH bill. However, the Finance ministry has agreed to only major demands such as allowing SEZ units to sell their goods in the domestic market without the imposition of Customs duties and getting payment for services rendered there in rupees instead of foreign exchange			
10	E	16-12-2022	Webinar on "Awareness on Waste Management: Implications & Challenges"	VINCULAR Testing Labs India Pvt. Ltd. Organised a webinar on "Awareness on Waste Management: Implications & Challenges"	The objective of this webinar is to make everyone aware of: - Waste Management Rules, 2022 - Circular Economy: Benefits & Challenges - Best practices and Innovative Approaches for Sustainable Waste Management: India & Abroad - Challenges in Recycling Industry on recycling, upskilling of the waste - A Way Forward	N/A	Closed	Circular Economy
11	M	19-12-2022	Discussion on issues in implementation of National Security Directive on Telecommunication Sector (NSDTS) through the Trusted Telecom Portal (TTP)	Industry Interaction on Launch of Trusted Telecom Portal (TTP)	With the launch of Trusted Telecom Portal (TTP), the National Security Directive on Telecom Sector (NSDTS) had become effective from 15 June 2021. The inputs / feedback from industry and its bodies during multiple engagements with NSCS had been enabled streamlining processes and successful implementation of this directive. NSDTS has been effective since 18 months & NSCS is held an interaction with industry bodies on the following: • The implementation of NSDTS through the TTP Portal.			ICT

					Webinar was organised to share same to Industry and seek feedback and address Q&A			
12	M	19-12-2022	Meeting with CEN CENELEC officials to discuss BIS interest to engage with CEN CENELEC on smart standards.	SESEI had a meeting with Darko Stanojevic and Ashok Ganesan from CEN CENELEC to discuss the proposed engagement with Bureau of Indian Standards (BIS) on Smart Standards	SESEI suggested that a presentation for BIS covering 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 - Quarterly review meeting on its progress and other topics of mutual interest including bilateral engagement at the ISO/IEC GA meetings.	Follow up on action items	Closed	ICT
13	E	23-12-2022	MeitY organized a Digital India Dialogue on Digital Personal Data Protection (DPDP) Bill 2022	Ministry of Electronics & Information Technology (Meity) has published a draft Digital Personal Data Protection Bill-2022 available at https://www.meity.gov.in/data-protection-framework	Ministry of Electronics & Information Technology (MeitY) conducted a Digital India Dialogue, wherein Hon'ble MoS, Shri Rajeev Chandrasekhar interacted with the industry and other stakeholders and share Ministry's thoughts on the recently released draft Digital Personal Data Protection Bill, 2022. MAIT Secretariat and its members joined the meeting to raise the queries submitted in its representation.	N/A	Closed	ICT

14	M	23-12-2022	TEC Working Group Meeting on "Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications"	The Virtual meeting of the 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 updated draft document was circulated to all members for their prior comments and inputs.	Inputs/comments/suggestions received from working group members were discussed during the meeting.	Continue working as a member of TEC Working Group (WG) on "Security by design Principles in M2M device and promote EU work	Closed	ICT
15	M	01-11-2022	TEC: Virtual meeting of working group on IoT and 5G applications in Smart Grid	The TEC Working Group on IoT and 5G Applications in Smart Grid met on 1st November 2022 to further discuss the progress and finalization of the draft Report on the used cases for 5G and IoT in Smart Grid.	Highlights of the meeting are as under; 1. Mr. Sushil Kumar, DDG IoT chaired the meeting and updated members that5G services were officially during the India Mobile Congress 2022 held from 1st to 4th Oct 2022. Many used cases were demonstrated for Smart Grid/Smart Metering. Details on few of the used cases were discussed and deliberated during the meeting. 2. 5G is being rolled out across the country and its features may be used in various segments of smart Grid. 3. Inputs received from the members have been accommodated in the draft. 4. As discussed in the last meeting a contribution was submitted in ITU-R WP 5D through TEC NSG-G group. This contribution was on smart metering and in-line with the documents released as well as in progress. 5. DDG (IoT) also shared and explained the	Continue working with TEC to finalize this report and provide inputs on EU work.	Closed	ICT

					contribution in ITU NSG-5. Refinements required in the draft document were discussed and it was presented that - A table on existing Communication Technologies for Utility Operations was added to the document - A brief on different operational inefficiencies caused by the existing communication technologies in Smart Grid has also been added in the same section. - A table on Power network level and different related applications have been added as annexure.			
16	M	04-11-2022	Annual General Body Meeting of India Smart Grid Forum (ISGF)	India Smart Grid Forum held its Annual General Meeting on 4th November 2022. SESEI works closely with ISGF and was invited to attend their AGM.	During the Annual General Meeting of the ISGF, an overview of ISGF Activities was presented. - Key Achievements, Current Projects and Programs and New Projects and Initiatives were presented to all the members. The upcoming India Smart Utility Week (ISUW), 2023 was also discussed. ISUW is scheduled for 1st to 4th March 2023 and will be focused on Smart Energy and Smart Meter.	N/A	Closed	Electrical Equipment
17	M	04-11-2022	Discussion on CCTVs under PPO	An Internal discussion was organized by MAIT to discuss a draft structure document for CCTVs under PPO.	MAIT organised an internal discussion with key stakeholders to discuss a draft structure document for CCTVs under PPO.	N/A	Closed	ICT
18	E	11/7/2022 to 11/11/2022	TSDSI TECH DEEP DIVE 2022	The 5th edition of its Annual Technical Deep Dive (TTDD) Conference was held from 7-10 November 2022. The mega inaugural session was held in hybrid mode on 7th November 2022 in New	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. Like the earlier editions, the	N/A	Closed	ICT

| | | | | Delhi, followed by 9 technical sessions in a fully online mode. The theme of the conference was "Standards for Sustainable Development". | conference was a platform for exchange of ideas among experts and identify opportunities for downstream collaboration.

The Inaugural session had TSDSI's global partners talking about their strategies for developing standards for sustainable development. Areas of common interest that emerged from deliberations in this session are expected to be absorbed into collaboration activities with the relevant partners subsequently.

The conference covered sessions on:

AI/ML-based enablers and applications for 6G
6G Vision, Air Interfaces and Network Architectures
Research Trends in Sensing, Localization and IRS towards 6G
Affordable ubiquitous access through heterogeneous networks
XR and Immersive technologies
Broadcast-Broadband Convergence
Security – IoT, 5G, Quantum Context
Spectrum for Next Generation Services
Interoperability & Test Labs | | | |
| 19 | M | 08-11-2022 | IET FTC oneM2M Standards Session | Mr. Arun Mukarji, Coordinator for the EU-India ICT Collaboration sought a conference call with SESEI to seek | During the discussion, SESEI agreed to provide all support and help to the EU - India ICT collaboration. The details on time, slot, suggested speakers etc. was discussed and it was agreed that SESEI will | Successful organization of IET FTC oneM2M | Closed | ICT |

				support for organizing a session on OneM2M standards for IoT in India.	coordinate the entire session and SESEI will moderate it.	Standards Session		
20	M	14-11-2022	Meeting with Rajeev Sharma, DDG Standardization, BIS	SESEI had a meeting with Mr. Rajeev Sharma, DDG Standardisation to follow up on action items produced during bilateral meeting between BIS and CEN-CENELEC at the side-lines of ISO GA	SESEI, held a meeting with Mr. Rajeev Sharma, DDG Standardization at BIS. Discussion was held on - update on the Framework License Agreement between, CEN CENELEC and BIS. - Progress and proposed work to be carried out by SESEI and BIS post the cooperation meeting held between CENCENELEC , BIS and SESEI During meeting, DDG Standardization BIS said that they would like to start with the topic of Smart Standards - Digital transformation of the standardization process and products and for this they are interested in doing round of discussion, webinar and/or WG formation to understand and possibly implement the same in India.	Follow up on action items	Closed	Generic
21	M	14-11-2022	DECT Forum: DECT India Working Group Meeting.	DECT Forum of India has recently been constituted and is working towards reviving the DECT technologies in India. In this regard the DECT Forum is preparing representation for the Govt. of India on the need for DECT Technologies.	A presentation on DECT business case was prepared by the working group and during the meeting all members discussed to understand if this business case are in line with the inputs provided by all. Working Group also sought suggestions on how to put the socio-economic benefits or larger public interests of DECT in India in this PPT.	Continue supporting the forum activities in India	Closed	ICT

22	M	15-11-2022	Meeting with officials at EU Delegation to India to discuss Digitation India	SESEI requested a meeting with officials at EU delegation to India to discuss Digitation India	SESEI held a meeting with Mr. Benoit Sauveroche and Mr. Rahul Gupta 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.	Successful organization on session on OneM2M: Impact of Global Standards in India	Closed	ICT
23	E	17-11-2022	IESA open webinar on EV Charger report	An open webinar on EV Charger report was organized where the key findings of the report was discussed also focused on market and policy.	India EV charger market is witnessing growth on account of rise in sales of EVs, aggregated charging station tender announcements and supportive policy & regulations in the country. Customized Energy Solutions have released the third edition of India EV charger market Overview in October 2022. According to the report's BAU scenario, the EV charger market would expand at a CAGR of 46.5% between 2022 and 2030. Further, tenders by government agencies are expected to deploy more than 6,000 EV charging stations between now and 2023. Customized Energy Solutions India Pvt Ltd. has prepared a report on the 2022 India EV Charging Infrastructure Market Overview Report and organized a virtual open webinar for colleagues and professionals interested in getting insights from the latest report on "EV Charger Market" in India. To read the Executive summary of the report please click on the link-	N/A	Closed	Smart Mobility

					https://indiaesa.info/resources/industry-reports/4218-india-ev-charger-market-report-2022			
24	M	18-11-2022	Meeting of the Preparatory Group for the proposed webinar/ conference on Circular Economy Standards - Ecolabeling & Eco Design	Preparatory meetings of the organizing committee for the webinar/ conference on Circular Economy Standards - Ecolabeling & Eco Design	The organizing committee discussed 1. Agenda and progress on the confirmation from Speakers 2. Availability of venue for the physical event 3. Content and design for the event page with registration link. 4. Logistics details 5. Invitation Mailers, promotion material etc.	Successful organization on Hybrid Workshop on Circular Economy: Environmental Design & Labelling - Role of Standards & Policy in India and EU	Closed	Circular Economy
25	M	21-11-2022	TEC Working Group (WG) meeting on "Security by design Principles in M2M device	The Virtual meeting of the Working Group (WG) on "Security by design Principles in M2M device manufacturing and National Trust Centre for certification of M2M devices and applications". The latest updated draft document was circulated to all members for their prior comments and inputs.	Highlights of the meeting are as below: TRAI provided to DoT its recommendations on Spectrum, Roaming and QoS related requirements in Machine -to Machine Communications dated 5th Sept 2017. Following work items (recommendations) were communicated to TEC by DoT, to develop the security framework for the IoT ecosystem in the country. 1. Device manufacturers should be mandated to implement: Security by Design" principle in M2M devices manufacturing so that end to end security can be achieved. 2. A National Trust Centre (NTC), under the aegis of	Continue working as a member of TEC Working Group (WG) on "Security by design Principles in M2M device and promote EU work	Closed	ICT

					TEC, should be created for the certification of M2M devices and applications (hardware and software). This recommendation was accepted in principle by DoT.			
					While carrying forward the work on these work-items, two documents namely Code of Practice for Securing Consumer Internet of Things (IoT) and Framework of National Trust Centre for M2M/IoT Devices and Applications have already been released.			
					Document on Code of Practice for Securing Consumer Internet of Things (IoT) has been endorsed by DoT to various ministries, DRDO and TSPs for wider circulation to all related stakeholders for voluntary adoption of the guidelines available in this document and provide feedback.			
					inputs received SESEI have been discussed in detail during the various meetings.			
					As per the inputs received from SESEI the additions made to the document are as under; - Secure update for firmware and operating system is a challenging task due to lack o secure OTA support in device capabilities - Security architecture is not built for embedded firmware forming a hardware abstraction layer			

					(HAL). Native Operating system in market segment.			
					- Details on Standardization Testing and Quality Certification (STQC) has been added as section 3.6.1 in the draft document. - Section 4.5 on ENISA discussed & refined based on the inputs received - Section 4.6 on ENISA discussed & refined based on the inputs received. - Added section 4.10 for 3rd Generation Partnership Project (3GPP) - Added Section 8.4 for Common Criteria (CC) - Evaluation Assurance Levels (EAL) Scheme - Added inputs in section 5 on Categorization / Classification of IoT devices			
26	E	21-11-2022	Special Networking Dinner organized by IET Future Tech Panel headed by Mr. Rishi Bhatnagar	SESEI is an active member of the IET - Future Tech Panel and contributes actively to the Standards, Legal & Regulatory Working Group.	SESEI was invited to attend the special Dinner hosted by IET Future Tech Panel to welcome the IoT Community, members of the IoT -Future Tech Panel as well as the distinguished Speakers. SESEI used this opportunity to meet the industry and govt. officials to have exchange and networking opportunities. SESEI also met with the fellow speakers participating in the standards session.	N/A	Closed	Generic
27	E	22-11-22 to 23-11-22	IET India Future Tech Congress is scheduled on the 22nd and 23rd of	SESEI was invited to organize and moderate a Special session on the adoption of Global Standards in India.	On the occasion of the Future Tech Congress 2022, held at Bengaluru from 22nd to 23rd November 2022. SESEI organized and moderated a session called "SPECIAL SPOTLIGHT: STANDARDS" . SESEI moderated Panel Discussion on "oneM2M: Impact	Successful organized session on OneM2M: Impact of Global	Closed	ICT

			November at the Lalit in Bangalore		of Global Standards in India". The Opening Address: by Mr. T.V.Ramachandran, President Broadband India Forum and Special Address: by Shri. V Ponnuraj, Secretary (E-gov), Govt of Karnataka SESEI moderated the Panel discussion with esteemed panellists from the IoT Community. - Mr. Aurindam Bhattacharya, Registrar & Group Leader – IoT/M2M C-DoT - Mr. Sushil Kumar, DDG -IoT, Telecom Engineering Centre - Mr. Manikandan K, Scientist-D, LITD, Bureau of Indian Standards - Mr. Sharad Arora, Founding Director, Mashmari - Mr. Xavier Piednoir, Technical Officer, ETSI During the Panel discussion , 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 at length.	Standards in India		
28	M	22-11-2022	Ninth Working Group Meeting of Cloud Services, SSD 10: WG 01 of BIS	BIS SSD division held its 9th Meeting of the Cloud Services	**Highlights of the meeting are as below:** - The member secretary welcomed all the participating members to the ninth working group meeting of cloud services - The convenor, in his opening remarks informed that there are two developments happened since the last meeting, one is BIS has issued Standards National Action Plan, 2022-27 (SNAP 22-27) for	Continue working with BIS on this subject and contribute EU Standards around this topic	Closed	Services

					public comments and requested the member secretary to share the document with the working group members for their review. The other one is new draft PDP bill is out for public comments, though it is not directly relevant to the standardization at present, in future it may be relevant			
					- The group given the task to SESEI and other experts to provide any existing body of knowledge on cloud disaster recovery and present in the next meeting.			
					- Discussion on drafting the Working Draft on Cloud Disaster Recovery Services			
					- ***The following decisions have been taken on the Working Draft:***			
					a. The title of the document is decided as Cloud Service Provider Disaster Recovery – Guidelines.			
					b. The scope of the document would be provided by the Mr. Anupam Agrawal and will be shared with the members for comments.			
					c. The member secretary would be preparing the table of contents of the document and will be shared along with the draft document. (Please See Annex-A for revised document)			
29	E	22-11-2022	Webinar on European Accessibility Act and Standards – what SMEs need to know	SBS organized a webinar on accessibility of products and services in view of the latest standardization request issued by the European Commission to develop	The purpose of the webinar was 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.	N/A	Closed	ICT

				new standards and review already existing standards in this area.	During the webinar, Ms. Inmaculada Placencia Porrero, Senior Expert of the European Commission's social affairs unit, responsible for Disability and Inclusion, gave an overview on the European Accessibility Act and the current standardisation requests. Mr. Rudolph Brynn, SBS Expert in the area of accessibility, working for a company giving advice related to universal design of building and outdoor areas, digital accessibility and usability, legislation and standards, presented the activities of SBS in this context pointing out the important elements that SMEs should know and how they might be affected.			
30	E	23-11-2022	Knowledge Session on "Personal Data Protection Bill"	MAIT in association with Ikigai organised a "Knowledge Session on Personal Data Protection Bill" recently brought out by Government of India for public consultation	Ministry of Electronics and Information Technology (MEITY) has come up with a revised personal data protection bill, now called the Digital Personal Data Protection Bill, 2022.The Bill has been introduced after 3 months of the withdrawal of the Personal Data Protection Bill, 2019. In this regard, MAIT in association with Ikigai organised a "Knowledge Session on Personal Data Protection Bill". During the session, Ikigai Law, a specialist law firm focused on technology and innovation-led businesses, made a presentation on "Personal Data Protection Bill". MAIT is proposing to onboard for drafting a submission on the draft Digital Personal Data	N/A	Closed	ICT

					Protection Bill 2022 which is to be done latest by December 17, 2022, as per the timelines given by MeitY. The Scope of Work for Ikigai will be to help MAIT draft a submission on the Bill. For this, they will identify concerns relevant to MAIT members, get their feedback, and prepare a detailed first cut of the draft. They will also update the draft submission, based on industry inputs and feedback.			
31	E	24-11-2022 to 25-11-2022	FICCI CIRCULAR ECONOMY SYMPOSIUM 2022	The sixth edition of Circular Economy Symposium (ECS) organized by FICCI was focused on addressing all the aspects to drive forward an inclusive circular economy agenda and promote a transition to circular economic models.	Circular economy is gaining momentum with increased focus on organisation's sustainability ecosystem, and ESG. As India stands at an inflection point in its journey towards economic growth, it is crucial to balance the adverse effects of rapid urbanisation, industrialisation, growing population, and climate change. There is established imperative to imbibe circularity in our economic development as it plays a promising role in achieving the SDG goals, Net-Zero targets and facilitating Climate Action. The recent focus on circular economy in the Union Budget puts India in the right direction. The government has been proactive in formulating action plan to push ground level actions to accelerate CE transition. The Centre Pollution Control Board has also launched a centralised Extended Producers Responsibility (EPR) portal for plastic packaging waste & will help in improving accountability, traceability, and transparency of the fulfilment of EPR obligations. The industry on the	N/A	Closed	Circular Economy

| | | | | other side is adopting modern innovation techniques to digitalise the entire waste management spectrum by using Artificial Intelligence (AI), Intelligent bins, automation, smart sorting etc for better transparency of process, system & supply chains, more accurate sorting & enhanced recycling rates. Moreover, multilateral institutions are beginning to move forward with initiatives to advance circular solutions in various ways & enhance circular transition through collaborations with industry, government and stakeholders.

FICCI's National Circular Economy Committee has been playing a pioneering role in empowering circular economy concepts in India through various interventions for last 5 years and has facilitated policy interventions through representations.

The symposium is driven by its theme "Accelerating Circular Economy for Sustainable and Inclusive Growth" with focus on Indian ecosystem. The deliberations touched upon 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.

Program Focus:
• Driving Circularity through vision & strategy | | | |
|---|---|---|---|---|---|---|---|

					• Circular financing and green investment • Role of circularity in achieving the Net Zero and Climate targets • Digitalization as an enabler to accelerate Circular Economy • Circular Economy: A key ESG Imperative • Policies and Regulations on Circular Economy • Circularity Measurement: Challenges and Way forward • Circular Solutions and Innovations (focused session with ICEA awardees)			
32	M	24-11-2022	Meeting with Keika Lee, Director Regulatory Affairs, IKEA Range & Supply	Keika Lee, Director Regulatory Affairs, IKEA Range & Supply requested a call with SESEI expert to discuss draft QCO on wooden furniture	Agenda of the meeting was as below: - Standards referred in Draft QCO on wooden furniture - BIS Technical committee responsible for drafting standards around furniture: CED35 - Contact details of BIS officials	Follow up on action items	Closed	Generic
33	M	24-11-2022	Fifth Panel Meeting of Digital Signature	Fifth Meeting of Digital Signature Panel, SSD 10/P-4 was organized by Bureau of Indian Standards (BIS) to discuss the draft standard on E-signature	During the meeting the working draft was reviewed by the panel members and subsequently changes were done in the document. The revised document after incorporating the changes is attached as Annex-A. Further to the review of the document, the following decisions were also taken on the next course of action: a. The document will be shared again with the panel members for their inputs/suggestions and last date of comment would be two weeks from date of circulation of minutes. If no inputs/suggestions are received after the due date, the document would be	Continue working with BIS on this subject and contribute EU Standards around this topic	Closed	Services

					sent to sectional committee chairperson for his approval for P-Draft circulation among the committee members. b. The foreword for the document would be provided by Mr. Dinesh Chand Sharma and Mr. Vijay Kumar and would be shared with panel members for their comments. The draft foreword is attached as Annex-B. c. The panel would be recommending the ETSI TS 119 102 -1 'Electronic Signatures and Infrastructures (ESI) - Procedures for Creation and Validation of AdES Digital Signatures - Part 1: Creation and Validation' for adoption as Indian Standard in the next sectional committee of SSD 10.			
34	E	28-11-2022	EBG Position Paper 2022 Release	EBG Federation organized an event to release their EBG Position Paper release 2022 edition.	The EBG Position Paper was released in the presence of Mr. Amitabh Kant, Sherpa G-20, Shri K.T. Rama Rao, Minister for Municipal Administration & Urban Development, Industries & Commerce, and Information Technology, Government of Telangana (our Partner State), H.E. Mr. Ugo Astuto, Ambassador, Delegation of the European Union to India and respected Guests of Honour Mr. Dammu Ravi, IFS, Secretary (Economic Relations), Ministry of External Affairs, Mr Rohit K Singh, IAS, Secretary, Ministry of Consumer Affairs, GoI, Mr Bharat Lal, IFS, Director General, National Centre for Good Governance, GoI, and Mr Sanjeet Singh, IRS, Senior Adviser, Industry-I, Trade & Commerce Strategic Economic Dialogue, Economics, Finance & Disinvestment, Niti Aayog.	N/A	Closed	Generic

					SESEI is the member of the EBG (European Business Group) and works closely with the Telecom Committee on Market access related issues and contributes and provides inputs on ICT standards.			
35	M	30-11-2022	Meeting of the Preparatory Group for the proposed webinar/ conference on Circular Economy Standards - Ecolabeling & Eco Design	Preparatory meetings of the organizing committee for the webinar/ conference on Circular Economy Standards - Ecolabeling & Eco Design	During the meeting, pending agenda items were discussed.	Successful organization of workshop	Closed	Circular Economy
36	E	10/03/2022 to 10/05/2022	ETSI's annual flagship event on Cyber Security returns in 2022 from 3rd to 5th October, in ETSI, Sophia Antipolis, France.	The ETSI Security Conference 2022, running over three days, debated EU and Global Cyber Security Regulation, Policy, Security Innovation and Standardisation.	SESEI attended the three-day ETSI Security Week. This provided an opportunity for SESEI to gain and update information and knowledge on Security related issues and also meeting person all the ETSI members and officials. As per the agenda, the main topics were Global Regulation and Certification Landscape, Security Verticals, Technology Day – (Horizontals & Toolboxes). Agenda topics include: 5G, AI, Cyber Security Act (CSA), IoT / Connected Device Security, Post Quantum and Co-ordinated Vulnerability Disclosure (CVD).	N/A	Closed	ICT

37	I	06-10-2022	Steering Committee No. SC#9, held at ETSI Office at Sohia Antipolis, France.	During the visit of SESEI to ETSI Office, 9th Steering Committee Meeting of the SESEI Project was held. Meeting was attended in person by Margot Dor, Xavier Piednoir, Gudrun Rognvaldardottir , Wim De Kesel and Dinesh Chand Sharma. The meeting was virtually attended by Silvia Vaccaro, Emilio Davila Gonzalez, Eric Marchand and Priya Sawhney	During the Steering Committee Meeting the main agenda points discussed were: 1. Actions emerging from the previous meeting, their status update and action required to close the same. 2. Project status: Its administration, management and Budget related update and status by ETSI 3. SESEI Expert Report on Major Activities, and discussion on Changes if any in Current Work Programme & Timeline of deliverables 4. Updates from Partners on other relevant India-related initiatives/activities 5. Exchange between the Partners and SESEI on SESEI-V TIMELINES	Follow up action items	Closed	Generic
38	I	07-10-2022	SESEI and EFTA FTA negotiations with India	SESEI had a conference call meeting with Ms. Gudrun Rognvaldardottir to discuss the ongoing 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.	Follow up action items	Closed	Generic
39	I	07-10-2022	Meeting with CCMC officials on Circular Economy and Resource Efficiency issues	SESEI scheduled a meeting with Mr. Eric Marchand and Ms. Catherine Vigneron Head - Energy and Living department at CEN-CENELEC Management Centre.	During the meeting, SESEI provided update on the Resource Efficiency & Circular Economy related initiatives and the work carried out by the 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. SESEI also discussed the forthcoming webinar around Environmental Design and Labelling.	Follow up action items	Closed	Circular Economy

| 40 | I | 07-10-2022 | Meeting with Ms. Silvia Vaccaro and Concerned officials at European Commission DG GROW. | SESEI scheduled a meeting of exchange of update on project development and also to have discussion on important standardisation related issues and how SESEI can further assist standardisation and policy related issues between India and EU. | **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 Trade and Technology Council (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: SESEI is organizing a Webinar around this subject and a speaker from EC would be needed. SESEI discussed all around it. | Follow up action items | Closed | Circular Economy |
| 41 | E | 07-10-2022 | FICCI Conference on Water, Sanitation and Waste Management | FICCI organized a conference on Water, Sanitation and Waste Management: Urban Perspective | Panel Discussion on Water, Sanitation and Waste Management: Urban Perspective
• Contract formation & drafting in India
• Future of PPP projects in India
• Government's initiatives for its implementation across India
• Investment strategy and the action plan from Govt of India in water and sanitation sector
• Scope for refurbishment and remodelling of old plants (25 or more) in various states

SESEI attended this conference to gain and update information and knowledge on Water, Sanitation and Waste Management. | N/A | Closed | Environment |

42	M	07-10-2022	TEC meeting of the Working group on IoT and 5G Use cases in Agriculture (Virtually)	TEC is scheduling periodic meetings of the Working Group on IoT and 5G Use Cases in Agriculture. TEC is preparing a report on the use cases in the agriculture sector, the meetings are being held to finalise this technical report.	Inputs/ contributions on the use cases related to agriculture, was discussed in the meeting. The discussions and submissions made during the meetings were submitted in the fourth meeting of ITU-T FG on AI and IoT for digital Agriculture held virtually from 17-19 Oct 2022.	Continue working with TEC on this subject and contribute EU work around this topic	Closed	ICT
43	M	07-10-2022	Meeting with The Energy and Resources Institute (TERI), for discussion on organising the workshop on Eco-Design and Eco-Labelling.	A meeting was held b/w SESEI and The Energy and Resources Institute (TERI), to discuss the forthcoming workshop on Eco-Design and Eco-Labelling.	SESEI is working closely with EU-REI and ECOS and TERI for organising a webinar on Eco design and Eco Labelling. In this regard, a meeting was held to discuss the logistics and other issues.	Follow up action items	Closed	Circular Economy
44	E	10-10-2022	ETSI IoT Week at Sophia Antipolis, France	The 2022 edition of the ETSI IoT Week, "Pursuing Digital and Green Transformation" took place physically in ETSI premises, Sophia Antipolis, France, on 10-14 October 2022.	SESEI attended the ETSI IoT Week. 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.	N/A	Closed	ICT
45	M	13-10-2022	BIS, Fourth Panel Meeting of Digital Signature, SSD 10/P-4/A-2.4	BIS sectional Committee SSD 10 is drafting Indian standard on "ELECTRONIC SIGNATURES AND INFRASTRUCTURES (ESI): POLICY AND SECURITY REQUIREMENTS FOR	The main highlights of the meeting ate as under; - Inputs/comments received from members were discussed - The ETSI standards repository were shared by Shri	Continue working with BIS on this subject and contribute	Closed	Services

				APPLICATIONS FOR SIGNATURE CREATION AND SIGNATURE VALIDATION" which is based on ETSI standard ETSI TS 119 101	Dinesh Chand Sharma to the BIS. Subsequently, the standards were circulated with the members.	EU Standards around this topic		
46	M	13-10-2022	BIS, Eighth Working Group Meeting of Cloud Services	BIS organized 8th meeting of working group on cloud services.	During the meeting, the convenor informed all the members that the working group have recommended 11 International Standards on cloud computing and services for adoption and all of them have been published. Now, the sectional committee has given the task formulating indigenous standard on cloud disaster recovery services and requested the members for their active participation in drafting the standard on cloud disaster recovery services. SESEI expert has provided updates on policy, legislation and standardization around Cloud and Edge Computing. https://joinup.ec.europa.eu/collection/rolling-plan-ict-standardisation/cloud-and-edge-computing-0	Continue working with BIS on this subject and contribute EU Standards around this topic	Closed	Services
47	E	14-10-2022	World Standards Day 2022 celebration organised by Bureau of Indian Standards	Bureau of Indian Standards (BIS), like every year, organised g World Standards Day on 14 October 2022 to acknowledge the collaborative efforts of the thousands of experts involved worldwide in standardization and ruminate on the future path. The event was physical as well as virtual.	SESEI team attended this event in virtual mode. It was a conference on a big scale with the presence and Keynote Address given by Shri Piyush Goel, Minister of Commerce & Industry, Consumer Affair, Food & Public Distribution and Textile. The other highlights of the conference were 1. Presentation on BIS initiatives 2. Standards National Action Plan 2022 - 2027: Views and thoughts by the Policy Maker as well as	N/A	Closed	Generic

					the representation by the Leading Industrialists 3. Importance of Standards in Technical Education / Educational Curriculum Post the main session parallel sessions on Smart City initiatives, Smart Energy and Circular Economy were also held.			
48	E	14-10-2022	oneM2M Tech Talk	TSDSI jointly with Malaysian Technical Standards Forum Bhd (MTSFB) conducted an awareness session on oneM2M "oneM2M Tech Talk" to celebrate the World Standards Day on 14 October 2022.	Mr. Aurindam Bhattacharya, a renowned oneM2M expert from India shared his thoughts and experience through this session. SESEI attended this session to learn the latest updates on IoT standards, and more.	N/A	Closed	ICT
49	M	14-10-2022	TEC meeting of Working Group (WG) on "Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications"	TEC organized the virtual meeting of the Working Group (WG) on "SBD and NTC" for discussion of draft document on Security by Design principles in M2M/IoT device manufacturing	TEC is in the process of finalizing the draft report on Security by design principles in M2M/IoT device manufacturing. During the meeting, inputs/comments received from the members were discussed.	Continue work with TEC and contribute EU work	Closed	ICT
50	I	14-10-2022	Meeting with Margot Dor, ETSI	SESEI and Margot, ETSI held a meeting to understand from CCMC the process they used for the SESEC grant with EISMEA (steps/timing etc)	Discussion on Project Status and the milestones and deliverables. The objective of this meeting is to understand from CCMC the process they used for the SESEC grant with EISMEA (steps/timing etc)	N/A	Closed	Generic

| 51 | E | 18-10-2022 | CyberComm 2022 "Accelerating the Evolution of Cybersecurity in India", organised by FICCI, | The 'CyberComm - 2022', organized by FICCI, jointly with the Ministry of Electronics & Information Technology, and I4C, Ministry of Home Affairs, Government of India. | **During the CyberComm 2022:** *Lt Gen (Dr) Rajesh Pant, National Cyber Security Coordinator and Special Secretary to the Govt of India* said that the data protection is very critical, and the Data Protection framework is now formulated, and yet to be put up for public comments. It will be tabled during the Budget session in the Parliament, early next year.

He said that every sector including governance, e-commerce, business and industries constitutes National Cyberspace and with the recent launch of 5G, we already have 5 billion internet users in the world. "The moment IoT devices start connecting with 5G network then cyberspace is going to expand exponentially and will reach 30 billion users.

In India, he said, we have identified 8 critical sectors under the National Cyberspace which include defence, space, nuclear, transportation, oil & gas, financial, communications and energy. "We can control the cyber threats through policy interventions. It is through people, processes and technology we protect the cyberspace, and we already have National Cyber Security Policy in place which has the vision to build secure and resilient cyberspace for citizens, businesses and government," he added.

Dr Sanjay Bahl, Director General, Indian Computer Emergency Response Team (CERT-In), Ministry of | N/A | Closed | ICT |

					Electronics and IT, Govt of India said that we cannot have Digital India unless there is security. "Security is an important pillar in Digital India itself. Data is important and it is equally important who is handling the data. Trust is important to need open, safe, secure and trusted internet which will help the digital economy to reach $ 1 trillion mark. He also highlighted the various initiatives undertaken by CERT-In to create awareness about cyber security including Cyber Swachhta Kendra. "These Kendra will assist in providing a secure cyber space by detecting Botnet infections and preventing further infections. *Mr Yogesh Andlay, Founder, Nucleus Software & Polaris Financial Technology* said that techniques, processes and people have to be addressed to be able to identify, detect and respond to cyber-related issues. *Dr Ajay Data, Co-Chair, FICCI IT and ITeS Committee and CEO, Data Ingenious Global Limited,* said that just like Digital India, we need 'Secure India' as a mission. With the ever-changing cyber security landscape, a good security plan demands proactive measures, including regular technology upgrades, awareness and skilling and reskilling to all stakeholders. "Both enterprises and government agencies need to strengthen their			

					cybersecurity infrastructure to proactively address the possible challenges.			
52	M	19-10-2022	Eighth Sectional Committee Meeting IT and ITeS Enabled Services, SSD 10	BIS sectional Committee SSD 10 covers, "Standardization in the field of services, processes, supporting frameworks, management and governance for the provisioning of IT and IT enabled services in areas such as (but not limited to), contract management, performance management, procurement management, customer satisfaction, contact centre, covering existing and emerging digital and automation technologies".	The highlights of this meeting were 1. **Approval and status update on Issues arising out of the Previous Meetings** 2. **Published Standards of IT & IT enables Services Sectional Committee SSD10:** The following Indian Standards have been published under IT and IT enabled Services Sectional Committee, SSD 10: IS/ISO 18295-1 : 2017 : Customer Contact Centres - Part 1 : Requirements for Customer Contact Centres IS/ISO 18295-2 : 2017: Customer Contact Centres - Part 2 : Requirements for Clients using the services of Customer Contact Centres IS/ISO/IEC 19086-1 : 2016: Information Technology Cloud Computing Service Level Agreement SLA Framework Part 1 : Overview and Concepts IS/ISO/IEC 19086-2 : 2018: Information Technology Cloud Computing Service Level Agreement SLA Framework Part 2 : Metric Model IS/ISO/IEC/TR 23613 : 2020: Information Technology Cloud Computing Cloud Service Metering Elements and Billing Modes IS/ISO/IEC/TR 23951 : 2020: Information Technology Cloud Computing Guidance for using the cloud SLA metric model IS/ISO/IEC TR 23187 : 2020: Information Technology – Cloud Computing – Interacting with Cloud Service	Continue working with BIS on this subject and contribute EU Standards around this topic	Closed	Services

					Partners (CSNs) IS/ISO/IEC 22624 : 2020: Information Technology Cloud Computing Taxonomy Based Data Handling for Cloud Services IS/ISO/IEC TS 23167 : 2020: Information technology — Cloud computing — Common technologies and technique IS/ISO/IEC 23188 : 2020: Information Technology Cloud computing Edge computing landscape 3. **At present, the working group is working on the formulation of Indigenous Standard on Cloud Service Provider Disaster Recovery Requirements. SESEI is part of the Working Group and an active contributor** 4. **Panel on Digital Signature, SSD 10/P-4: 5.2.1 The panel on digital signature was constituted in the last sectional committee of SSD 10 for formulating Indigenous Standards on Digital Signature.**			
53	M	20-10-2022	Meeting of the Preparatory Group for the proposed webinar/ conference on Circular Economy Standards - Ecolabeling & Eco Design	Preparatory meetings of the organizing committee for the webinar/ conference on Circular Economy Standards - Ecolabeling & Eco Design	The organising committee discussed 1. Agenda and progress on the confirmation from Speakers 2. Availability of venue for the physical event 3. Content and design for the event page with registration link. 4. Logistics details 5. Invitation Mailers, promotion material etc.	Successful organization of Webinar Circular Economy Standards - Ecolabeling & Eco Design	Closed	Circular Economy

54	M	20-10-2022	Meeting of TEC working group on "IoT and 5G applications in Smart Grid"	TEC is scheduling periodic meetings of the Working Group on "IoT and 5G applications in Smart Grid".	TEC is preparing a report on "IoT and 5G applications in Smart Grid". The use cases and Inputs/comments received on the draft document were discussed during the meeting.	Continue working with TEC on this subject and contribute EU work around this topic	Closed	Electrical Equipment
55	I	21-10-2022	Introduction Meeting with Darko Stanojevic, Officer CEN CENELEC in charge of the Project SESEI	Eric Marchand of CENCENELEC, organised an introductory meeting between SESEI and Mr. Darko Stanojevic who will be taking over the coordination for the SESEI project.	During the meeting, SESEI briefed about the SESEI Project, deliverables and various milestones. SESEI also discussed the upcoming action items and status/update on the same.	N/A	Closed	Generic
56	M	26-10-2022	Conference call meeting with Pamela Tariff from ECOS	Conference call meeting with ECOS was held to discuss the workshop sessions on Eco-Design & Eco Labelling scheduled to be held on 2nd December 2022	Meeting call was held to discuss the Session 4 format and flow and suggested speakers for the Hybrid Webinar on Eco-Labelling & Environmental design proposed to be held on 2nd December in New Delhi.	Successful organization of Webinar Circular Economy Standards - Ecolabeling & Eco Design	Closed	Circular Economy
57	E	28-10-2022	Knowledge Session on "Draft Telecom Bill, 2022" in association with EY	MAIT in in association with EY organized a knowledge Session on "Draft Indian Telecommunication Bill 2022"	Agenda of the session was as below: - Welcome Address by Mr. Sandeep Kochhar, Sr. Director, MAIT - Presentation by EY Team on Telecom Bill - Q & A with MAIT Members - Vote of Thanks by Mr. Deepankar Khare, Jt. Director, MAI	N/A	Closed	ICT

58	M	28-10-2022	Meeting with ZENNARO ATRE Sara, First Secretary - Trade Section, Delegation of the European Union to India	ZENNARO ATRE Sara, First Secretary - Trade Section, Delegation of the European Union to India, request a meeting with SESEI to discuss project SESEI and the issue of QCOs	SESEI expert held a meeting with colleagues at the EU delegation to discuss the issue of QCOs.	Follow up action items	Closed	Generic

SESEI-IV: Queries

Sr. No.	Date of Receipt	Brief Description	Requester	Sector	India Responsible	Action/Update	Document Reference	Status
1	28-Dec-22	Annual Work Program: EC, ETSI, CEN-CENELEC	Manikandan <maniyan@bis.gov.in>	Generic	BIS	Dear Manikandan Ji, Please find in below link and enclosed. ETSI: https://www.etsi.org/e-brochure/Strategy/Strategy%20brochure/mobile/index.html https://www.etsi.org/e-brochure/Work-Programme/2022-2023/mobile/index.html CEN-CENELEC https://www.cencenelec.eu/european-standardization/strategy-2030/ https://www.cencenelec.eu/media/CEN-CENELEC/News/Publications/2022/cen-cenelec_work_programme2022.pdf https://www.cencenelec.eu/stats/CEN_CENELEC_in_figures_quarter.htm	Email Query	Closed
2	23-Dec-22	Dear Dinesh, I shall like to know which are the frequency bands in Europe which are reserved for ITS	Balraj Bhanot <bbhanot@gmail.com>	Smart mobility	BIS	Dear Sir, Please find below the input on this query: In Europe, the 5 GHz band, in particular the range 5 875-5 905 MHz, is allocated for safety related ITS applications, which improve road safety by increasing the information to the driver and the vehicle on the environment, other vehicles and other road users. ETSI:	Email Query	Closed

		cooperative systems to operate in Vehicle and infrastructure. With warm and best regards! Balraj Bhanot 9810094896 bbhanot@gmail.com				ETSI has identified of 30 MHz spectrum in the 5.9 GHz band for ITS. For other frequency band allocation for the Radar is available in the link https://www.etsi.org/technologies/automotive-intelligent-transport European Commission: Intelligent Transport Systems - Cooperative, Connected and Automated Mobility (ITS-CCAM) and Electromobility (RP2020) • Commission Decision 2008/671/EC on the harmonised use of radio spectrum in the 5875-5905 MHz frequency band for safety-related applications of Intelligent Transport Systems (ITS) • RSCOM17-26 rev.3 (Final): Standardisation Request to CEPT to study the extension of the Intelligent Transport Systems (ITS) safety-related band at 5.9 GHz For more information: - https://joinup.ec.europa.eu/collection/rolling-plan-ict-standardisation/intelligent-transport-systems-cooperative-connected-and-automated-mobility-its-ccam-and - https://www.railjournal.com/telecoms/europe-boosts-spectrum-allocation-for-intelligent-transport-systems/ France: Road safety applications of road intelligent transport systems (ITS) benefit from 30 MHz of harmonized frequencies in Europe in the 5875-5905 MHz band. These resources have just been extended to the 5905-5925 MHz band. They have also been opened up, under certain conditions, to intelligent urban rail transport (CBTC), which		

						will also be able to access the 5925-5935 MHz band. To support the development of urban road and rail ITS, the use of these frequencies has been organized as follows: - road ITS has priority in the 5875-5915 MHz band; - urban rail ITS has priority in the 5915-5925 MHz band and exclusive in 5925-5935 MHz. For more information: https://www.anfr.fr/liste-actualites/actualite/transports-intelligents-routiers-et-rails-urbains-de-nouvelles-ressources-en-frequences-dans-la-bande-59-ghz		
3	23-Dec-22	Query related to printing of QR code on the packaging	Ghesquiere, Servaas <Servaas.Ghesquiere@katoennatie.com>	Generic	Katoe Natie	Dear Servaas, In case of Polyethylene and EVA, BIS CRO/CRS is not applicable hence this Legal Metrology amendment is also not applicable as it is limited to Electronics Products only. In case of Polyethylene and EVA, mandatory testing & certification called Scheme-1: ISI Mark Scheme is applicable https://www.bis.gov.in/product-certification/products-under-compulsory-certification/ and for this marking scheme Goods or articles specified shall conform to the corresponding Indian Standard given and shall bear the Standard Mark under a licence from the Bureau of Indian Standards as per Scheme-I of Schedule-II of the Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 (refer page 243 onwards of the regulation). **Response to your other queries is as below:** ***Query:*** *What exactly is the difference between Legal Metrology*	Email Query	Closed

						and BIS? How are they linked together? **Response:** Legal Metrology is a Legislation/Act formulated by the Ministry and BIS is a National Standard Body, which implements these changes/act/legislation through various notifications as issued time to time and maintain the applicable Indian Standards *Query: Might I state that the broad conclusion of your elaboration is that upon approval of the product itself, the Legal Metrology labels can be provided digitally (eg a QR code that lead you to the info)?* **Response**: No, this is not the case, see response to above query and if any product falls under mandatory testing and certification, the product sample shall be sent, tested and certified by the local agency by following the due process and authorized labs in India along with all other conditions as covered in Scheme-I of Schedule-II of the Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 (refer page 243 onwards of the regulation). *Query: They clearly state it's for the electronic industry, is this indeed only for this industry or can it be applicable more broadly, like for polyethylene and EVA?* **Response:** This amendment issued as part of Legal Metrology legislation amendment is only applicable for the electronics industry and now not applicable for polyethylene and EVA		
4	24-Nov-22	Information on Indian Standards around furniture	Keika Lee <keika.lee@inter.ikea.com>	Generic	IKEA Range & Supply	Dear Lee, Please find below contact details and information around Indian Standards: Mr. Arun Kumar S.	Email Query	Closed

		developed by CED 35 of BIS				Scientist E & Head (CED) Email id: ced@bis.gov.in Telephone: 011- 23235529 Technical committee responsible for drafting standards around furniture is CED35 https://www.services.bis.gov.in/php/BIS_2.0/dgdashboard/published/standards?commttid=MjA2&commttname=Q0VEIDM1&aspect=&from=&to= Shri Sanjay Pant Scientist-F & DDG (Standardization-II) Email id: ddgsss@bis.gov.in Telephone: 011- 23231125, 23608404 Standards referred in Draft QCO on wooden furniture: 1. IS 17631: 2022: Work Chairs - Specification 2. IS 17632: 2022: General Purpose Chairs and Stools - Specification 3. IS 17633: 2022: Tables and Desks - Specification 4. IS 17634: 2022: Storage Units - Specification 5. IS 17635: 2022: Beds - Specification 6. IS 17636: 2021: Bunk Beds - Specification		
5	21-Nov-22	Provided inputs to draft technical report on Security by design Principle for IoT being prepared by Telecommunic	SUSHIL KUMAR <ddgsd.tec@gov.in>	ICT	TEC	Dear Sir, Please find enclosed in track change mode some latest updates from Europe/ETSI/ENISA/CEN-CENELEC etc. Regards,	Email Query	Closed

		ation Engineering Center (TEC)						
6	16-Nov-22	Information on EN standard on Lifts adopted by India	VACCARO Silvia <Silvia.VACCARO@ec.europa.eu>	Electrical Equipment and Consumer Electronics	European Commission	Dear Silvia, BIS has adopted EN-115 as an Indian Standard only for Lifts and Escalator topic. BIS is quite keen to update this adopted standard to its latest version in line with EN-115 however as CEN-CENELEC Framework license agreement is not signed yet (under process at BIS) they are waiting for the same. They also have an interest to adopt EN-81 series of standards also but again waiting for signature of license agreement.	Email Query	Closed
7	3-Nov-22	Shared EU perspectives on IoT and some write ups, reports, studies etc.	Gajendra Upadhyay <gajendrau@cybermedia.co.in>	ICT	Voice & Data	Dear Gajendra, Please find below the material for your study: Towards a vibrant EU IoT ecosystem: a white paper outlines the full scope of IoT in Europe https://www.ngiot.eu/towards-a-vibrant-eu-iot-ecosystem-2/ NG-IoT Report: A Roadmap for IoT in Europe https://www.ngiot.eu/?wpdmdl=4378&ind=1641977580440 IoT and Edge Computing Carbon Footprint Measurement Methodology https://aioti.eu/aioti-digital-for-green-group-report-on-iot-and-edge-computing-carbon-footprint-measurement-methodology/ IoT Improving Healthy Urban Living https://aioti.eu/iot-improving-healthy-urban-living/	Email Query	Closed

| | | | | | | | Guidance for the Integration of IoT and Edge Computing in Data Spaces Report https://aioti.eu/guidance-for-the-integration-of-iot-and-edge-computing-in-data-spaces/

 White Paper: Business Impact of IoT in Manufacturing Industries https://aioti.eu/white-paper-business-impact-of-iot-in-manufacturing-industries/

 AIOTI Report on DLT-IoT Convergence https://aioti.eu/aioti-report-on-dlt-iot-convergence/

 Europe's Internet of Things Policy https://digital-strategy.ec.europa.eu/en/policies/internet-things-policy

 The next generation Internet of Things https://digital-strategy.ec.europa.eu/en/policies/next-generation-internet-things

 The Internet of Things in European healthcare https://digital-strategy.ec.europa.eu/en/policies/internet-things-european-healthcare

 Mapping Internet of Things innovation clusters in Europe https://digital-strategy.ec.europa.eu/en/policies/iot-innovation-clusters

 Secure solutions for the Internet of Things https://digital-strategy.ec.europa.eu/en/policies/secure-internet-things | | |

					The European market potential for (Industrial) Internet of Things https://www.cbi.eu/market-information/outsourcing-itobpo/industrial-internet-things/market-potential		
8	31-Oct-22	Information of 5G Rollout in India covering: - 5G rollout in India implementation timelines of Operators covering Airtel, Reliance, Vodafone and BSNL - 5G Handset in India, readiness to 3GPP release based 5G and roaming - 5G Handset in India, readiness for 5Gi, any activities around it. - Network Topology and Architecture	Adrian Scrase <Adrian.Scrase@etsi.org>	ICT	ETSI	Dear Adrian, As asked, please find below responses to the list of question asked during our last meeting. **5G rollout in India implementation timelines of Operators covering Airtel, Reliance, Vodafone and BSNL** 5G services in India were launched by Prime Minister of India during 6th India Mobile Congress on October 1, 2022. Following the launch, two telecom giants, Jio and Airtel, launched their 5G services in select cities. **Reliance Jio:** Reliance Jio has also launched Jio 5G in India. The telecom operator is offering 5G services in in 4 cities -- Mumbai, Delhi, Varanasi, and Kolkata at the moment. However, the company has confirmed that the pan India Jio 5G service rollout will happen by the end of next year. **Airtel:** Airtel has officially announced its 5G services in India. Airtel 5G Plus, is live in 8 cities -- Delhi, Mumbai, Chennai, Bengaluru, Hyderabad, Siliguri, Nagpur, and Varanasi. The company has promised to roll out 5G in a phased manner and cover all urban regions by next year. By March 2024, Airtel 5G Plus will be available in all regions and districts across the country. Source…	Email Query	Closed

| | | adopted by Reliance and Airtel
o any of these operators are rolling out O-RAN
o What are their plans for LMLC 5Gi rollout plans, which has been standardized in Rel 17 of 3GPP
o Whether 5Gi will be implemented voluntarily or mandatorily
o What's the plan and status of 5Gi Chip readiness and timelines
 - What are the network offerings of Ericsson and Nokia for 5G rollout in India | | | | **Vodafone-idea:**

Vi is the third-largest telecom operator in India hasn't revealed details of its 5G service rollout but it is expected to launch its 5G network service in India later this year.

BSNL:

The government led BSNL is now preparing to roll out 4G using homegrown technology. BSNL has asserted that 4G will be available for BSNL users starting November this year. BSNL has also announced to bring 5G service starting August 15 next year.

According to a report by PTI, Tata Consultancy Services (TCS) and the governments Centre for Development of Telematics (C-DoT) led consortium is working with BSNL to provide the homegrown 4G core tech to the telecom company.

5G Handset in India, readiness to 3GPP release based 5G and roaming

Recently, Swedish telecom company Ericsson has released a "Promise of 5G" report which found that consumer 5G readiness is high in the country. According to the report, the intent to upgrade to 5G is two times greater among urban Indian smartphone users than it is in markets like the United States and the United Kingdom, where 5G networks have already rolled out.

According to the study, India has witnessed a three-fold increase in the number of smartphone users who own a 5G handset over the past two years. Ericsson also claims that more than 100 million users with 5G-ready smartphones want to upgrade to a 5G subscription in | | |

2023 and that more than half of them are open to upgrading to a higher tier data plan in the next 12 months.

From the 5G standardization perspective, India has developed its own local 5G standard called "5Gi". 5Gi is jointly developed by IIT Madras, IIT Hyderabad, TSDSI, and the Centre of Excellence in Wireless Technology (CEWiT). The homegrown 5Gi standard (also known as Radio Interface Technology or RIT) is aimed at improving 5G coverage in rural and remote areas of India's diverse geographical terrain.

The 5Gi standard uses Low Mobility Large Cell (LMLC) to extend 5G connectivity and the range of a base station. It does so by using bands of the spectrum, which are lower than 5G's operational bands but offers a high-range waveform. Ideally, the 5G frequency band ranges from 700MHz to 52GHz, but 5Gi can go lower than 700MHz and up to 36GHz without sacrificing the range. Apart from that, the LMLC technology increases the intersite distance to 6 km from 5G's 1.7 km, which should make the deployment cost-effective.

In December 2021, the ITU (International Telecommunication Union) approved the 5Gi standard and it has now been formally merged with the 3GPP 5G Standard and implemented into the 3GPP Rel-17 NR specifications. This is a huge win for India as 3GPP rarely approves competing standards to maintain global interoperability.

While TSDSI claims that 5Gi will reduce deployment costs and improve coverage, telecom partners in India are not entirely enamored by the indigenous technology. The telcos say that maintaining interoperability between 5Gi and 5G's global standards will make things even more expensive. It will require further changes in hardware, and India's cash-strapped telcos are not in a

position to bear the brunt of additional compatibility. Even telecom vendors like Nokia, Ericsson etc. have shown reservations in supporting 5Gi.

Some experts believe that existing 5G phones, which have been released as per the 5G specifications, may become incompatible with 5Gi's frequency bands. The COAI (Cellular Operators Association of India), which counts telecom companies like Airtel, Jio, and Vi as members, has asked the government to make 5Gi a discretionary standard rather than a mandatory one. Following this, TSDSI has confirmed that it shall continue to transpose the 3GPP specifications and make them available to TEC for adoption as the Indian national standards in a timely manner. The telecom department has also asked the telecom operators to conduct trials on 5Gi, along with the 5G standard.

Currently, there is no update on the status of 5Gi's deployment in India and which cellular operator supports the in-house standard. The details regarding trials on 5Gi are scarce at this point.

5G Handset in India, readiness for 5Gi, any activities around it.

Within the 5G ecosystem, phones aren't equal. Premium smartphones, such as the Apple iPhones and Samsung's Galaxy S series, support more 5G frequencies than others. Telcos in India have deployed lower and mid-band frequencies, known as sub-6GHz, for wider coverage and compatibility. In that sense, existing 5G phones should, in theory, support the 5Gi standard. However, it's not sure because the indigenous 5Gi standard's frequency bands might not even be compatible with current 5G phones. https://beebom.com/what-is-5gi/

Network Topology and Architecture adopted by Reliance and Airtel: We need to find out whether

- o **any of these operators are rolling out O-RAN**

- **Reliance Jio:** Jio is currently testing its own indigenously developed 5G RAN and Core technologies. Jio has already tested in-house-built 5G radios integrated with 5G core earlier in 2021. It plans to leverage the companies that have India-based manufacturing. Some of the companies that could potentially be part of the Jio 5G ecosystem include SignalChip, Saankhya Labs, Tejas Networks, Sterlite Technologies, and VVDN Technologies. Radisys (acquired by Jio) and Qualcomm are already part of this ecosystem. In Oct 2020, Jio already achieved a milestone of 1Gbps, leveraging Qualcomm's 5G RAN platforms. Reliance Jio has also joined hands with intel for its 5G network development, including in the areas of 5G radio, core, cloud, edge, and artificial intelligence.

- **Bharti Airtel**: Airtel initiated partnered in early Nov 2021, with Amazon Web Services (AWS), Google Cloud, Ericsson, Cisco, Nokia, Accenture, Tata Consultancy (TCS) to test enterprise use cases using low-latency high-speed 5G Networks.

  Bharti Airtel has also deployed open RAN across multiple cities in India from Altiostar for 4G services. The software is 5G-ready, and as per Altiostar, it could seamlessly transition to 5G using the same network architecture. Airtel is a part of both the O-RAN Alliance and Telecom Infra Project (TIP), contributing actively to the standardization efforts. Airtel was the first operator in India to commercially deploy an open virtual RAN

| | | | | | | | solution based on disaggregated and open architecture defined by the O-RAN Alliance.

Earlier in 2021, Airtel partnered with Qualcomm to deliver 5G Fixed Wireless Access (FWA) to deliver broadband connectivity for residential and business customers. Airtel is using Qualcomm's 5G RAN Platform to roll out virtualized and open Radio Access Network (RAN)-based 5G networks in India. In addition to Qualcomm and Alitostar, Airtel has also partnered with Intel, Mavenir, and Tata Group.

In April 2022, Airtel announced to have successfully conducted India's first Open Radio Access Network (Open RAN) based live 5G network validation in partnership with Mavenir, the Network Software Provider building the future of networks with cloud-native software that runs on any cloud and transforms the way the world connects.

- **Vodafone Idea:** Vodafone Idea, in India, has deployed Open RAN solution from Mavenir at multiple sites for supporting 4G services, since Dec 2019. They are committed to Open RAN and plan to extend the deployment of TDD and Massive MIMO sites across multiple cities in India. They have partnered with many Open RAN ecosystem vendors to develop solutions for India's traffic requirements and build a 4G+ network by advancing the deployment of 5G technologies.

     o **What are their plans for LMLC 5Gi rollout plans, which has been standardized in Rel 17 of 3GPP** | | |

						The LMLC feature from TSDSI is now supported in 3GPP Rel-17. As and when operators roll out Rel-17 networks and the devices become Rel-17 capable, this feature will be rolled out.		

The LMLC feature from TSDSI is now supported in 3GPP Rel-17. As and when operators roll out Rel-17 networks and the devices become Rel-17 capable, this feature will be rolled out.

- o **Whether 5Gi will be implemented voluntarily or mandatorily**

  The COAI (Cellular Operators Association of India), which counts telecom companies like Airtel, Jio, and Vi as members, has asked the government to make 5Gi a discretionary standard rather than a mandatory one. Following this, TSDSI has confirmed that it shall continue to transpose the 3GPP specifications and make them available to TEC for adoption as the Indian national standards in a timely manner. The telecom department has also asked the telecom operators to conduct trials on 5Gi, along with the 5G standard.

- o **What's the plan and status of 5Gi Chip readiness and timelines**

  The Rel-17 spec was finalized recently. Chipset development will depend on global operator network roll-out plans.

- **What are the network offerings of Ericsson and Nokia for 5G rollout in India**

India's largest service provider, Reliance Jio, has announced that it will launch 5G standalone (SA) services in India. European telecom gear makers Nokia and Ericsson have inked multi-year supply

						contracts with Reliance Jio for supplying 5G network equipment to the country's largest carrier for deploying standalone or 5G SA.		

contracts with Reliance Jio for supplying 5G network equipment to the country's largest carrier for deploying standalone or 5G SA.

- Finnish supplier Nokia will provide 5G Radio Access Network (RAN) equipment from its AirScale portfolio including base stations, high capacity 5G Massive MIMO antennas, and Remote Radio Heads (RRH) to support different spectrum bands, and self-organizing network software.
- Swedish supplier Ericsson said that its long-term strategic 5G contract with Jio will include deployment of its energy-efficient 5G Radio Access Network (RAN) products and solutions from the company's portfolio and E-band microwave mobile transport solutions will be deployed in the 5G network for Jio.

In August, Bharti Airtel (Airtel), India's premier communications solutions provider, have also announced that it has signed 5G network agreements with Ericsson, Nokia and Samsung to commence 5G deployment. Airtel has had a long-standing relationship for connectivity and Pan-India managed services with Ericsson and Nokia while the partnership with Samsung will begin this year onwards.

- Airtel will deploy power-efficient 5G Radio Access Network (RAN) products and solutions from the Ericsson Radio System and Ericsson microwave mobile transport solutions. Ericsson will provide 5G connectivity in 12 circles (geographical regions in India) for Bharti Airtel.
- Nokia will provide equipment from its market-leading AirScale portfolio, including modular and scalable baseband as well as high-capacity 5G massive MIMO radios.

9	10-Oct-22	Provided inputs to GBI /Leena Thomas' study report on smart city being prepared by Global Business Inroads (GBI)	hlingam@globalbusinessinroads.com	Smart City	Global Business Inroads (GBI)	Dear Harsha, Please find enclosed the updated report in track change mode..	Email Query	Closed
10	5-Oct-22	Provided information on 5G - Captive Non-Public Network (CNPN) license and the draft Telecommunication Bill, 2022	Adrian Scrase <Adrian.Scrase@etsi.org>	ICT	ETSI	DoT notification/guidelines on setting up Captive Non-Public Network (CNPN) license. Four options have been offered in it including applying for a spectrum license as well. - https://dot.gov.in/sites/default/files/CNPN%20Guidelines%202706 2022.pdf?download=1 2nd important update is release of new draft rules "The draft Telecommunication Bill, 2022" open for consultation to strengthen growth of the sector and promote ease of doing business. - https://www.thehindu.com/business/Industry/explained-the-draft-telecommunication-bill-2022/article65952169.ece	Email Query	Closed