Annexure 2

Activity Tracker & Queries for the period of 'Jan-March 2021'

Quarterly Report No. 07

Sr. No.	Description	Total Until now	In Last quarter
1	External Meetings	213	38
2	Internal Meetings	60	07
3	Events/Seminar/Workshop/Roundtable	215	41
	Total	**488**	**86**
4	No of Queries	74	8

					SESEI-IV			
					Quarterly Activity Update: Jan, Feb & March 2021			
S.No.	**CAT**	**Date**	**Meetings/Events**	**Subject**	**Outcome**	**What next**	**Status**	**Sector**
1	M	02-03-2021	3rd Meeting of Active Assisted Living Sub-Committee, LITD 35	BIS organised the 1st Meeting of Active Assisted Living Sub-Committee, LITD 35(e-Meeting, through WebEx) on 2nd March 2021	LITD 35 is the National mirror committee (NMC) of IEC SyC Active Assisted Living. This Sectional committee, LITD 35 AAL has been constituted to- a. mirror the work of IEC SyC Active Assisted Living to address India specific requirements in the standardization activities of IEC SyC Active Assisted Living; also b. identify the Standardization, need at the national level and propose the same to the Sectional committee **The agenda and discussions held during the meeting are as under:** - Item 1: FORMAL CONFIRMATION OF THE MINUTES OF THE LAST MEETING - Item 2: COMPOSITION OF SECTIONAL COMMITTEE - Item 3: DEMO ON BIS PORTAL - Item 4: INTERNATIONAL STANDARDIZATION ACTIVITIES - Item 5: DISCUSSION ON THE EN 301 549 EUROPEAN STANDARD ADOPTION SESEI is actively promoting adoption of EN 301549 for ICT accessibility for persons with disabilities (PwDs) in India.	Continue working as a member of LITD 35 and provide inputs/suggestions on EU work around AAL	Closed	ICT
2	E	02-03-2021	2nd Webinar on "Making India an Electronics Hardware Design Ecosystem" organised by MAIT	MAIT organized webinar on "Making India an Electronics H/W Design Ecosystem" on March 2, 2021	Manufacturers Association of Information Technology (MAIT), the apex body representing India's ICT sector, organized a webinar to discuss policy initiatives taken by government of India to make India an Electronics Hardware Design ecosystem. Recently, cabinet approved a Rs 73.5 billion Production Linked Incentive (PLI) scheme for the local manufacturing and exports of IT products such as laptops, tablets, personal computers, and servers.	N/A	Closed	Electrical Equepment including Consumer Electronics

					During the panel discussion, panelists also highlighted that the local production is handicapped on account of factors such as the non-availability of a local component ecosystem, lack of local supply chain, cost of power supply, patchy connectivity to ports and airports, the lack of global transhipment hubs for sea & air out of our country and others.			
3	E	2-03-2021 to 5-03-2021	India Smart Utility Week 2021	ISGF organized its annual event ISUW 2021 from 2nd March to 5th March, 2021	India Smart Utility Week is one of the main and important platform held annually to initiate dialogues on need for Clean energy and clean transportation which are the central themes in the green recovery plans of most nations. Stakeholders across industries are drafting strategies to define and accept the post Covid-19 realities; and utilities are relooking at their operations and processes to create resilience. Digital technologies will play a key role in helping the utility industry transform and innovate in the face of the present crisis and to align with the long-term transformational goals. CENCENELEC with the support of Project SESEI endorsed the ISUW 2021 and participated in the important sessions on - IEC – IEEE WORLD SMART ENERGY STANDARDIZATION COORDINATION WORKSHOP, DAY 2 – 03 MARCH 2021, - 10th EU - INDIA Smart Grid Workshop – Part B (In partnership with EU), DAY 2 – 03 MARCH 2021, Mayank Sharma, CEN/ CENELEC was one of the main speaker during the "10th EU - INDIA Smart Grid Workshop" and shared presentation on Smart Grids.	N/A	Closed	Electrical Equepment including Consumer Electronics
4	E	03-03-2021	ISUW 2021 10th EU - INDIA Smart Grid Workshop – Part B (In partnership	During ISUW 2021, Session on 10th EU - INDIA Smart Grid	During the session Presentation on EU-India High Level Platform on Smart grids was made by Ms. Swetha Bhagwat, Head of FSR Global, Florence School of Regulation. Post the presentation a panel discussion was held on the EU-India High Level Platform:	N/A	Closed	Electrical Equepment including Consumer Electronics

			with EU Commission and EU Delegation to India)	Workshop – Part B (In partnership with EU Commission and EU Delegation to India) was organized	1. Donal Cannon, Head, Regional Representation in South Asia, European Investment Bank 2. Remy Garaude Verdier, Head of European Affairs, Enedis 3. Tomas Gomez, Universidad Pontificia Comillas, Spain 4. Anoop Singh, Indian Institute of Technology, Kanpur 5. Vikram Gandotra, Head of Marketing & Strategy, Energy Automation and Smart Grids, Siemens 6. **Mayank Sharma, CEN/ CENELEC** 7. Shivani Sharma, Power Consulting, Hitachi ABB Power Grids			
5	M	05-03-2021	TEC: Virtual Meeting of the Consultative Committee, formed for adoption of oneM2M Rel2 specifications as National Standards	TEC organized a virtual meeting of Consultative Committee, formed for adoption of oneM2M Rel2 specifications as National Standards	In India, oneM2M Rel2 specifications (transposed by TSDSI) have been adopted as National standards by TEC. Details are available on TEC website (https://www.tec.gov.in/adoption-of-tsdsi-international-telecom-standards/). These National standards have now been posted on TEC website and may be downloaded using link (https://www.tec.gov.in/tsdsi-transposed-onem2m-rel-2-technical-specifications-adopted-as-national-standards/). As a part of post adoption activities, the next step in this direction is to start working on the recommendations, as listed in the report of Consultative Committee (CC), finalized in Dec 2019. In this regard, a virtual meeting of Consultative Committee was organized by TEC to discuss the future course of action on Recommendations.	Continue working with TEC on the adoption/implementation of oneM2M standard in India	Closed	ICT
6	E	05-03-2021	Webinar and Launch of White Paper on Inclusion of Persons with	SESEI is actively promoting adoption of EN 301549 for ICT accessibility for	Microsoft in collaboration with industry body FICCI released a whitepaper underscoring the potential of technology in accelerating inclusive growth for India with a focus on enhancing accessibility for persons with disabilities (PwDs).	N/A	Closed	ICT

| | | | Disabilities through Information and Communication Technology (ICT) | persons with disabilities (PwDs).   He participates in various forums for engaging | The paper titled 'Inclusion of Persons with Disabilities through Information and Communication Technology (ICT)' with knowledge support from social enterprise DEOC outlines the role of technologies like artificial intelligence in creating societies and economies that allow full and equal participation of all citizens.

Especially in a post-pandemic world, technology has served as a great enabler and equaliser for persons with disabilities, creating greater possibility of an inclusive workforce.

Some of the key recommendations of the whitepaper include standards for public procurement for persons with disabilities, setting up an accessibility commission board, accessibility of product and services, online education and digital literacy.

It underscores the need for representation of PwDs in the workforce and consolidated efforts towards data collection for PwDs.

In its recommendations, the paper also outlines the need for creating an ecosystem for assistive technology, a universal design institute and the formation of a sub-group on accessibility of ICT by the FICCI Task Force on Diversity and Inclusion.

Keshav Dhakad, Group Head and General Counsel, Microsoft India, said accessibility is not just a responsibility but also an opportunity.

"When a culture of disability inclusion that powers accessibility is coupled with technology, it leads to breakthrough innovations. Investing in AI and other emerging | | | |

					technologies can improve the way persons with disabilities interact with and leverage technology in their daily lives -- how they access education, new skills or employment opportunities," he said. Anna Roy, Senior Advisor at NITI Aayog, said the narrative should be about how technology could help us in achieving our goal of inclusivity. "Inclusivity is so important, and it is the Prime Minister's key agenda too. In the area of frontier technologies, AI is important.			
7	I	08-03-2021	India: Action Plan - market access meeting organised by CEN-CENELEC	CENCENELEC agreed to further work to develop the Project India Action Plan. A meeting was called in this regard to discuss what is our ambitions, what tangible outputs will be achieved by when.	A detailed action plan in discussion with SESEI was presented in the India Action Meeting. The focus areas and the actions required against each of them are : - Generic - Electrical Equipment & Consumer Electronics - Market Access, TBTs - Services - Railways - Circular Economy	Continue working with CEN CENELEC on Project India Action Plan working document	Closed	Generic
8	M	08-03-2021	TEC: Virtual meeting for "Finalizing IoT / ICT standards for Smart cities"	TEC is in the process of preparing report for finalisation of IoT/ICT standards for Smart Cities.	The Onem2m specifications have been adopted as national IoT standards for Smart Cities in India. TEC has been in the process of preparing a detailed report on the IoT/ICT standards for India. This document is of priority nature and regular meetings are held to finalise and freeze the document. SESEI is a member of the Working Group and participates and provides inputs for the report.	Continue working with TEC on this subject	Closed	ICT

9	M	09-03-2021	IET - Future Tech Panel meeting to discuss Whitepaper by Cybersecurity working group on Future Proofing Standards	SESEI is the Chairman of the Standards Legal and Regulatory Working Group of IET- Future Tech Panel. A meeting was requested with him to discuss the document prepared by the Cyber Security Working Group	A Whitepaper on "Future proofing standards" have been prepared by the cybersecurity working group at IET. In this regard, a meeting was called by IET to seek inputs/ suggestion to this paper	Successful release of Whitepaper	Closed	ICT
10	M	10-03-2021	Meeting with International Relations Department of BIS	SESEI Expert had a meeting with Smt. Rachna Sehgal, Head of IRD, BIS to discuss following items: - Status of MoU, - EN-81 License Agreement, - Any other activity	SESEI expert had a meeting with head of IRD and discussed following items (brief updates are part of it). 1) Status of MoU: Its with Ministry of Commerce, BIS will send a mail reminder and come back 2) EN-81 License Agreement: IRD is in discussion with ETD responsible for EN-81 study for its adoption. IRD will discuss with them the current status. IRD/ETD are of the view that CEN CENELEC shall extend adoption of EN-81 identical/technically equivalent standards based on similar terms and condition as extended to EN-115 (copy enclosed) as processing the license agreement extended will take years due to their approval process which invoices legal, ministries etc. This agreement will surely be temporary and replaced with broader license agreement later post closure of MoU. They shall formally send this possibly after having another round of discussion with ETD. 3) Meeting on Services Standards 4) IRD response on below email action items: they will reply	Continue working with BIS on topics of mutual interest	Closed	Generic

					soon sharing details on items as below, lets wait for their reply:			

soon sharing details on items as below, lets wait for their reply:

a. Divisional Council (https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/committee_sso), b)

b. Standards National Action Plan - SNAP (https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/committee_sso) enclosed PPT was prepared by me earlier on this.

c. Market Surveillance – Asked for more information and I have shared some. They are asking for organising another Webinar which shall include live example and possibly including one of the MS how are they implementing it

d. Joint Webinar at the sidelines seems not possible as they have not received any communication from Ministry and it might not come as well. In absence they won't be able to hold it and as well quite occupied until June/July due to many bilaterals etc.

e. Next Follow-up meeting: July we can target as before that it is not possible but if there are any subject specific meetings such as Installation rules, Services etc, they can be organised before as it will be conducted by the respective Divisional Council heads hence a separate mailer for this could be sent with proposal.

f. Any activities at BIS related to EU-INDIA roadmap covering sectors such as Railways, Circular Economy etc. : They have not received any communication from Ministry of Commerce or External affairs on it and normally it doesn't come unless there is a concerned proposal on setting up a Joint Working Group, in that case they are invited to address it. Railway for sure will be handled by RDSO and not BIS.

Warm Regards,

| 11 | E | 10-03-2021 | Presentation on oneM2M Release 3 specifications by TSDSI | A presentation on oneM2M Rel 3 specifications has been arranged by TSDSI for the members of Consultative Committee (CC) and Telecom Standards Advisory Committee (TSAC) | TSDSI has transposed oneM2M release 3 documents and has requested to TEC for considering them for adoption as National Standards. These documents consist of 24 Technical Specifications and 3 Technical Reports on various subjects. As mentioned by TSDSI, this release is a much advanced version, as compared to the earlier releases and is as per growing requirements of the ecosystem to enable implementation and interworking in the field for various applications, use cases and verticals which amongst others include smart cities, health, agriculture, intelligent transport etc.

In this regard, a presentation on oneM2M Rel 3 specifications was scheduled by TSDSI for the members of Consultative Committee (CC) and Telecom Standards Advisory Committee (TSAC). | Continue working with TEC/TSDSI on adoption/implementation of oneM2M specifications in India | Closed | ICT |
| 12 | M | 10-03-2021 | Discussion on Global Accessibility Awareness Day, GAAD 2021 | Broadband India Forum organised meeting to discuss preparation / organisation of the Global Accessibility Awareness Day, GAAD 2021 | BIF's PwD Committee is trying to constantly work towards raising awareness about the lack of accessibility in India which has adversely impacted not only persons with disabilities (PwD) but also older people and their families.

Facebook has encouraged BIF to consider doing something around the Global Accessibility Awareness Day (GAAD 2021) on 20th May 2021. BIF's PwD Committee of which SESEI is a Co-Chair will take a lead to organise GAAD 2021.

BIF will try to collaborate with TRAI / DoT/ MeitY on such an initiative.

Facebook has offered to be one of the supporting companies. BIF is also trying to collaborate with ADOBE and looking at partnerships with Microsoft, Google etc. | Successful organization of GAAD 2021 and Promotion of EN 301 549 | Closed | ICT |

| 13 | I | 12-03-2021 | Steering Committee Meeting No. SC#4 | Steering Committee Meeting No. SC#4 of the Project SESEI was held virtually on 12th March 2021. This meeting was long overdue and covered period starting July 2020 till February 2021 | Steering Committee Meeting No. SC#4, Participants : Margot Dor, Xavier Piednoir, Silvia Vaccaro, Gudrun Rognvaldardottir, Jarita Christie, Wim De Kesel, Emilio Davila Gonzalez , Dinesh Chand Sharma, Priya Sawhney , Nitin Sharma

The agenda and important points discussed in the steering Committee meeting were ;
1. Status of the action items pending from the pervious SC Meetings
2. Project status:
• Project administration and management
• Budget snapshot
3. SESEI Expert input
• Report on Major Activities
• Current Work Programme & Timeline of deliverables
4. Updates from Partners on other relevant India-related initiatives/activities
• CEN/CENELEC Priority India
• EU-India ICT Project
• InDiCo – ICT Standardisation
5. Exchange between the Partners and SESEI:
• review of project priorities and possible adjustments
• proposals for new activities in SESEI
• ensuring visibility of SESEI activities and role within the partner's organization/membership
• potential no-cost extension of the project
• status of interim report | N/A | Closed | Generic |
| 14 | M | 15-03-2021 | Meeting to discuss renewed EU-INDIA ICT Project deliverables | SESEI expert had a meeting with Mr. Sachin Gaur of EU- | A meeting was requested by Mr. Sachin Gaur of EU-INDIA ICT Project to discuss the key areas of focus for the Project, new deliverables / action items. Discussion on the synergies with Project SESEI and support for the EU-India ICT Project. SESEI | Continue support EU-India ICT Standardization Project | Closed | ICT |

				INDIA ICT Project	provided inputs to the new scope and ToR topics and scope as part of next phase.			
15	E	15-03-2021 to 16-03-2021	"ITU-ETSI-IEEE Joint SDOs Brainstorming Workshop on Testbeds Federations for 5G & Beyond: Interoperability, Standardization, Reference Model & APIs".	ITU-ETSI-IEEE organized a Joint SDOs Brainstorming Workshop on Testbeds Federations for 5G & Beyond: Interoperability, Standardization, Reference Model & APIs	ITU-T, ETSI and IEEE are major SDOs working on the topic of Testbeds for 5G and Beyond. This Workshop provided a platform for ITU-T, ETSI and IEEE to brainstorm and shared ideas on Testbeds Federation Challenges, including: - the Testbeds Federation Reference Model being jointly standardized by ITU and ETSI; - APIs Requirements for Testbeds Federations and what may have been achieved in this area with respect to existing API implementations by Research communities and the Industry; - how to use the Reference Model to guide Research and Industry to contribute to the development of the APIs being prescribed by the Reference Model; - how the SDOs can potentially share the burden on APIs Standardization and on Roadmaps in a harmonized and collaborative way; - Potential New Business Models for Testbeds Suppliers that derive from the Testbeds Federations Reference Model. The Workshop also sought to engage the various Stakeholders (Research Communities, Researchers on 5G and Beyond, Industry Users of Testbeds, Testbeds Suppliers for 5G Testbeds and other Testbeds, CSPs, Infrastructure Vendors/Suppliers for ICT and Verticals, Regulators, and any other interested parties) to discuss the roles the various Stakeholders can play in the desired Ecosystem to be built by the SDOs.	N/A	Closed	ICT
16	M	16-03-2021	EBG Telecom sector committee meeting	Telecom sector committee meeting of the	EBG Telecom sector committee organized a meeting committee for an open discussion and suggestion for the future plan and engagement with European Business Group.	Continue working with EBG	Closed	ICT

				EBG was held on 16 March 2021 to initiate discussion and suggestion for the future plan and engagement with European Business Group.	SESEI expert has been nominated to Chair the WG on Standards, Technology and Spectrum committee of EBG and drive the topics and agenda addressed by TEC/TRAI/DoT with other Industry members			
17	M	16-03-2021	Meeting between officers from TEC and oneM2M & ETSI representatives on "Conformance testing for oneM2M specifications".	TEC approached ETSI to collaboration on developing the right ecosystem for oneM2M testing. India having adopted OneM2M specifications as national standards for IoT, this is extremely important for the success of oneM2M. ETSI and OneM2M expressed their full support to engage with TEC	A conference call was organised between ETSI and TEC to set up a dialogue for studying the potential opportunities to collaborate on testing and interoperability for IoT device testing and conformity assessment. Xavier Piednoir (Head of External Relations at ETSI, manager of InDiCo project and representing ETSI in the EU-India bilateral project on ICT standardization), SESEI, Ultan Mulligan (Director of ETSI's Centre for Testing and Interoperability) and Laurent Velez (oneM2M Technical Officer already involved in multiple awareness and promotion activities in India) along with the senior officials from TEC held a conference call. The highlights of the formal conference call meeting are as under; - Introduction by TEC Sr DDG and Team Members: - Introduction by ETSI, oneM2M, TTA members: - Presentation by TEC sharing all about organization set up, existing Labs national/regional, oneM2M National Standards, oneM2M platform part of Smart City rollout, what they are looking forward from oneM2M Logo scheme etc. : - Presentation by oneM2M sharing update about their oneM2M Certification Program, association with TTA, GCF and others if any: - Presentation by TTA sharing their background around its	Follow up action items	Closed	ICT

				in this venture, in particular the ETSI Centre for Testing and Interoperability.	logo/certification program, their association & methodology with GCF and status.: - Open Q&A or brainstorming: SESEI expert is coordinating this activity to promote implementation of oneM2M standards adopted as a National Standards and on this working quite closely with TEC to extend all possible support for oneM2M based Logo scheme of oneM2M through GCF/TAA			
18	M	18-03-2021	Conference call Meeting with Mr. Anand R Prasad, Founder & CEO, wenovator LLC	Mr. Anand R Prasad, Founder & CEO, wenovator LLC sought a meeting with SESEI expert	The meeting b/w SESEI expert and Mr. Anand Prasad was about approaching DoT, TEC and COAI. Company of Mr Anand is assigned to carry out a detailed study on Security Standards & Certification scheme in EU and INDIA through Project Indico and SESEI is extending all possible support on this important subject of security to help EU industry in India SESEI expert also shared the essential requirements for a number of types of equipment published by TEC.	Extend support to Indico	Closed	ICT
19	M	22-03-2021	Virtual meeting of TEC WG on Future Communication Technologies & Use cases in IoT domain	Periodic meeting of the TEC WG on Future Communication Technologies & Use cases in IoT domain for finalisation of the draft report	The virtual meeting of WG on Future Communication Technologies & Use cases in IoT domain, was held on 22nd March 2021. During the meeting minutes of the previous meeting were confirmed. Discussions on the inputs and comments received on the draft report was also held.	Continue working with TEC on this document.	Closed	ICT
20	M	23-03-2021	Steering Committee Meeting: Phase 2 Planning: EU-INDIA ICT Project	Steering Committee for Ph-2 scope finalisation of EU-INDIA ICT Project and	Following agenda items were discussed during the meeting: 1. Main takeaways from the workshop 2. Work plan for next two years a. Matrix approach proposal b. Resource constraint: human and budget c. Selection of priorities	Extend all possible support to Project and ensure technical synergy with it	Closed	ICT

				SESEI was invited to attend and give input	3. Reporting and information sharing 4. Next steering committee During the meeting SESEI expert shared following as an input: - Clarified that the SESEI and InDiCo projects are present to have technical synergies and just by having his presence in the bilateral project the synergy is ensured. - We need to further define the scope of work on every topic mapped to activities happening between ETSI and TSDSI in details with clear defined objectives and outcomes.			
21	E	24-03-2021	28th Convergence India & 6th Smart Cities India 2021 expo	on the occasion of 28th Convergence India & Smart Cities , TSDSI organised "5G and Beyond Leadership Summit" **Session 1: Future Roadmap for 5G** This inaugural session of the 5G & Beyond Leadership Summit will look at India's preparedness to adopt the 5G network and discuss the	TSDSI organised Summit on 5G at the 28th Convergence India. During the summit technical sessions were presented for the benefit of the delegates. Details of the sessions are as under; "5G and Beyond Leadership Summit" in the sessions on: **Session 1: Future Roadmap for 5G : This inaugural session of the 5G & Beyond Leadership Summit highlighted India's preparedness to adopt the 5G network and discuss the following:** • Roadmap for future • 5G spectrum causing dissent in India • Infrastructure ready for 5G-like, but not 5G • Industry views and takes • Lessons learned from around the world • Bottlenecks for privacy and security Mr NG Subramaniam, Chair TSDSI shared his views in this session along with other distinguished Industry Leaders and Government Officials. **Session 2: TSDSI session on "Looking Beyond 5G – Path to 6G" : Global Standards forums, (including ITU and 3GPP)** are spearheading efforts in looking beyond 5G and 6G, from 2018 onwards. Topics such as holographic type communications,	N/A		Closed	ICT

				following: • Roadmap for future • 5G spectrum causing dissent in India • Infrastructure ready for 5G-like, but not 5G • Industry views and takes • Lessons learned from around the world • Bottlenecks for privacy and security Mr NG Subramaniam, Chair TSDSI will share his views in this session along with other distinguished Industry Leaders and Government Officials	extremely fast response in critical situations, high-precision communication demands of emerging market verticals, large intelligent surfaces, waveforms, free space optics, Non-terrestrial networks are some areas under deliberation. TSDSI has formally initiated a technical study on "Use Cases, Requirements and Technologies for 6G". It is important for India to chalk out a roadmap for technology development and indigenous IP creation that meets India and global needs and ensure our taking a leadership position in defining global standards – the path to 6G. This session examined the landscape from the lens of technologies, network architecture, applications – giving viewpoints from Operators, infrastructure and value-added Service Providers, R&D and Academia.			
22	M	24-03-2021	EU Project Indico: India Video Preparation	A conference call meeting with Ms. Laure Pourcin to	SESEI was requested to connect with the missing links for the Health / Tele Medicine segment, Industry 4.0 and the Smart Agriculture for interviews with the thought leaders in the particular segments. SESEI successfully managed to connect	Successful organization of Video Interviews	Closed	ICT

			meeting - Post interviews	discuss update on the interviews, speakers / content for preparation of the video on 5G technologies and the opportunity it creates for the India in various sectors was held.	the Team InDiCo with Dr. Ganpathy, a pioneer in the telemedicine segment, John Deere for Smart Agriculture and Bosch for Industry 4.0			
23	E	25-03-2021	Online Workshop on Visible Light for Broadband Communications by IIIT Delhi	The IIIT Delhi Center of Excellence on LiFi supported by the India-EU ICT Standardisation Cooperation Project presented a Workshop on Visible Light for Broadband Communications: Current Research & Standardization	India-EU ICT Standardisation Cooperation Project, IIIT Delhi has established a Center of Excellence (CoE) on LiFi. As a part of this project, the CoE will not only design relevant courses on LiFi, but will also facilitate capacity building by supporting research collaborations and exchange of experts between India and the EU. To kickstart the activities of the CoE, a workshop was organised on "Visible light for broadband communications and current standardization activities" on the 25th - 26th March 2021. The two-day workshop will feature invited speakers from academia, industry, start-ups, and government concerns. Indeed, due to the ongoing pandemic situation, the workshop will be held in a virtual-mode. SESEI was invited to participate in the workshop in the opening / plenary session and give a brief talk about ETSI and 3GPP, ETSI'S Research Strategy, Importance of Standards for R&D Projects activities and Horizon 2020 project on VLC.	N/A	Closed	ICT

| 24 | M | 25-03-2021 | First Virtual Meeting of the FICCI National Committee on ICT and Mobile Manufacturing | The first virtual meeting of the FICCI National Committee on ICT and Mobile Manufacturing was scheduled on 25 March, 2021 | The meeting was divided in two parts. The meeting focused on discussions regarding the Mobile Manufacturing sector, followed by discussions on the ICT sector. There are 3 key objectives of the First Meeting are:

1. To discuss the mandate of the Committee.

2 (a). To establish key priorities for the Mobile Manufacturing sector.

2 (b). To establish key priorities for the ICT sector.

3. To establish Sub-committees.

One of the objectives of the meeting was to finalise the agenda and focus areas of the Committee for the financial year 2021-22. | N/A | Closed | ICT |
| 25 | M | 26-03-2021 | BIF Committee Meeting on ICT for Inclusive Ability (PwD) | The BIF Meeting was called to further discuss and built on the action items required for planning , organisation and execution of the Global Accessibility Awareness Day, GAAD 2021 scheduled on 20th May 2021. | 1. The meeting started with convenor welcoming the Chair, Co-Chair and the attendees and apprising the attendees about BIF celebrating the Global Accessibility Awareness Day, GAAD 2021 scheduled on 20th May 2021.
2. It was informed that Mr. Malcolm Johnson, Deputy Secretary General-ITU has confirmed his participation for the day and along with that the invitations have been sent to Dr. Rajendra Kumar, Additional Secretary, MeitY and Dr. Prabodh Seth, Jt. Secretary, DePwD for the Inaugural program. The confirmations are awaited.
3. The members were requested to give their comments on the current draft structure of the program for GAAD 2021.Members suggested to kindly reduce the gap given between the Inaugural session and the panel discussions. One of the members suggested to merge the two panel discussions | Successful organization of GAAD 2021 | Closed | ICT |

					and complete the entire agenda in one go. Finally, the members agreed to have a 15 minutes break between the Inaugural and the panel discussions. 4. It was also suggested to conduct a series of events preferably after 2/3 weeks or longer, as deemed appropriate after the main event on 20th May 2021 to sustain the continuity of the cause. 5. It was suggested to come out with an outcome report emerged from the program. The members agreed on the same. 6. The meeting ended with thanking the participation of the Chairman, Co-Chairpersons and the members. SESEI have been asked to chair a panel discussion on the topic of "Importance of staying connected during the Covid environment & role of standards"			
26	M	02-02-2021	CEN-CENELEC meeting with BIS officials	SESEI organized a meeting b/w CEN CENELEC and BIS official to boost CEN & CENELEC cooperation with Bureau of Indian Standards (BIS)	CEN & CENELEC have enjoyed an open dialogue with the International Relations Department (IRD)over many years. In order to deepen connections and strengthen this cooperation, CEN CENELEC requested a meeting with BIS. The agenda for this meeting was as below: 1. Introducing the CEN & CENELEC team 2. Introducing the BIS IRD team 3. India-EU Strategy Roadmap 2025 o understanding how this will be implemented in India 4. Seeking BIS feedback – MOU, CEN-CENELEC License Agreements 5. Topics for cooperation o BIS priorities o CEN & CENELEC priorities 6. BIS-CEN-CENELEC webinars - Q1 2021 7. 16th EU-India Summit Q1 2021 – promotion of standards 8. Any other business	Support CEN CENELEC and BIS to strengthen cooperation	Closed	Generic

					CEN CENELEC and BIS had a very fruitful meeting and look forward to work on sectors/topics of mutual interest.			
27	M	03-02-2021	Meeting of BIS with Industry Associations	Bureau of Indian Standards (BIS) organized a meeting with all relevant Industry association members of BIS to enhance the synergy between the Industry associations and various technical departments of BIS.	Within BIS, 15 division councils have been developing standards. Electronics and IT Division Council (LITDC) is one of the Division Council. Various technical committees under LITDC are entrusted with development of Indian standards pertaining to Electronics, Electrical and IT Sector and SESEI is an active member of many of these committees. To enhance the synergy between the Industry associations and various technical departments of BIS, BIS organized a meeting with all relevant Industry association members of BIS. The agenda of the meeting was as below: - Presentations on Role of industry in standardization, importance of industry participation and Standardization Cells – Role & Expectations - Presentation on BIS initiatives for facilitating participation on standards portal with focus on Standardization Cell. - Progress on area of work identified in SNAP and Other subjects (including issues arising) - Industry perspectives: a) Constraints in participation & in implementation of standards b) Standardization needs & gap areas c) Expectations from BIS d) Standardization Cells	Continue working with LITDC, BIS as a key member and contribute EU work	Closed	Generic
28	M	03-02-2021	SESEI meeting with Indico Project	Indico Project organized a meeting to discuss actions to support	Following the official adoption of oneM2M as a national standard in India, Project Indico organised a call with EU-INDIA ICT Project and CDOT officials to discuss the most appropriate way for ETSI and oneM2M teams to support the implementation of oneM2M standards as widely as possible	Successful organization of workshop	Closed	ICT

				oneM2M implementations in India	by industrial and public players in India. Some preliminary ideas for discussion considering a) There were attendees from major Indian corporations at the OneM2M technical plenary taking place online this week and this is a very positive sign. b) Given the fundamental role in the implementation of these standards in India, Indico would appreciate views on what would be needed to progress further ? What questions are asked and should be answered ? : - Webinars on oneM2M Use Cases (to present real implementations or standards capabilities in various application domains, such as automated homes, smart lifts, water management, connected industry, etc.) - Webinar on legal and IPR aspects related to oneM2M (to address the question about the financial costs) - Webinar to present the "implementers toolkit" (what is available ? what open source platforms ? what resources ?)			
29	M	03-02-2021	Meeting to discuss the participation of IEC-IEEE World Smart Energy Standardization at India Smart Utility Week (ISUW 2021)	India Smart Grid Forum (ISGF) sough a meeting with SESEI to discuss the agenda of the workshop.	The 7th Edition of ISGF's Annual Event - an International Conference and Exhibition on Smart Energy and Mobility for Smarter Cities - India Smart Utility Week (ISUW 2021) is scheduled from 2nd to 5th March 2021 on Digital Platform. ISUW 2021 will virtually bring together India's leading Electricity, Gas and Water Utilities, Policy Makers, Regulators, Investors and world's top-notch Smart Energy Experts and Researchers to discuss trends, share best practices and showcase next generation technologies and products in smart energy and smart cities domains. An IEC-IEEE World Smart Energy Standardisation Workshop will be conducted as part of at ISUW. in this regard, a meeting was called by ISGF to discuss the agenda of the workshop.	Successful organization of workshop	Closed	Electrical Equipments including Consumer Electronics

					CEN and CENELEC will also participate to the ISUW 2021, sharing our expert knowledge on smart energy standards.			
30	M	04-02-2021	1st meeting of LITD 36/P1 Panel for Review of Indian Standards	BIS organized 1st meeting of LITD 36/P1 Panel for Review of Indian Standards	1st meeting of LITD 36/P1 Panel for Review of Indian Standards was called by BIS on February 4, 2021. The agenda of the meeting was as below: - Composition of the LITD 36/P1 panel - Review the old Indian Standards with respect to the applicability of the Standard to the present day, and submit the final recommendation to LITD 36 as to whether the Standards to be re-affirmed, to be revised or to be withdrawn. - Any other business	Continue work with this panel of BIS	Closed	Electrical Equipments including Consumer Electronics
31	E	04-02-2021	EBG webinar on Union Budget 2021-22	EBG organized a webinar on Union Budget 2021-22	EBG organized a webinar on Union Budget 2021 to discuss the key budget announcements and their impact on the businesses. Ms Renita Bhaskar, First Counsellor, EU Delegation to India, spoke on EU Perspective on the Budget 2021 and future expectations of EU investor.	N/A	Closed	Generic
32	M	04-02-2021	Meeting with Mr. Mayank Sharma, Standardization Manager for the X-to-Grid innovation domain at Schneider Electric. He is based in Grenoble, France.	SESEI expert e-connected with Mr. Mayank Sharma to introduce SESEI project and its role in the field of Standardization and related policies in India.	Mr. Mayank Sharma, Standardization Manager for the X-to-Grid innovation domain at Schneider Electric, organized a meeting with SESEI expert to understand the role of SESEI project in India. Mr. Mayank will be speaking on behalf of CEN-CENELEC as Smart Grid Expert in EU-INDIA Workshop during ISGU 2021.	Look forward to work with Mr. Mayank in the field of Standardization and related policies in India.	Closed	Electrical Equipments including Consumer Electronics
33	M	04-02-2021	Meeting with Mr. Subhankar Mitra, Singapore	Meeting to discuss M2M_IoT	Mr. Mitra organised meeting to discuss the current status of M2M/IOT rollout in India post pandemic. Meeting was also used to share update the M2M_IOT Forum, which couldn't do	Continue promotion of oneM2M in India	Closed	ICT

			(M2M_IoT Forum)	activities in India	much activities during the pandemic but plans to do soon for which reorganisation, work realignment etc in in progress			
34	M	05-02-2021	10th meeting of Interconnection and Information exchange among IT equipment and systems Sectional Committee, LITD 13 in joint session with 11th meeting of panel for mobile phone LITD 13/ P1.	BIS organized 10th meeting of Interconnection and Information exchange among IT equipment and systems Sectional Committee, LITD 13 in joint session with 11th meeting of panel for mobile phone LITD 13/ P1.	BIS organized 10th meeting of Interconnection and Information exchange among IT equipment and systems Sectional Committee, LITD 13 in joint session with 11th meeting of panel for mobile phone LITD 13/ P1. The agenda of the meeting was as below: - Welcome and opening remarks - Confirmation of the minutes of previous meetings - Composition of sectional committee/panel - Present scope and technical work programme of the committee - Review/Reaffirmation of published Indian standards - Proposal for adoption of news ISO/IEC standards - International activities - Any other business	Continue working with this sectional committee of BIS	Closed	Electrical Equipments including Consumer Electronics
35	I	05-02-2021	Meeting with CEN CENELEC officials	SESEI expert had a meeting with Ms, Christie Jarita, Market Perspectives & Innovation and Mr. Constant Kohler, Programme Manager, from CEN - CENELEC to discuss the upcoming ISUW 2021	The 7th Edition of India Smart Utility Week (ISUW 2021) has been scheduled from 2nd to 6th March 2021 as an International Conference and Exhibition on Smart Energy and Mobility for Smarter Cities in New Delhi, India, on Digital Platform. CEN CENELEC will be participating in ISUW 2021 and sharing expert knowledge on smart energy/cities. in this regard, Ms. Christie Jarita, CEN CENELEC organized a meeting with SESEI expert to explain the conference, the audience and what the organisers would expect from CEN CENELEC speaker on smart energy/cities standards.	Successful organization of workshop	Closed	Smart cities

36	I	05-02-2021	Meeting with Mr. Xavier Piednoir, Head of External Relations, ETSI	SESEI expert organized a meeting with Mr. Xavier Piednoir, Head of External Relations, ETSI	SESEI and Xavier Piednoir, held a meeting to discuss the following: - SC#3 action items? - SC#4 dates - CCMC Priority India Action Plan 2021 and JPG presentation? - Interim Report	N/A	Closed	Generic
37	M	08-02-2021	India Video filming Team Call #2 (Project Indico)	Meeting to discuss list of interviewees for the Indian video shootings on benefits of global standards in India	Meeting was held to review the current status of list of interviewees for the Indian video shootings on benefits of global standards in India, which was prepared earlier in consultation with SESEI. SESEI extended all possible support to finalise this list and agreement of the interviewees. During the call Indico took input on two topics below for which necessary inputs were provided by SESEI : - Regarding research and academia, which one of the listed people do you think has the most credibility in India and should be approached first ? - Regarding use cases, in addition to the TRICOG application in telemedicine, we are thinking that maybe Monika could be presenting some cases she has worked on at Cap Gemini. Another option would be to have representatives of a Consumer association or of the Smart Manufacturing Industry.	Successful closure of Video Interviews	Open	ICT
38	E	09-02-2021	Webinar on "Privacy in Mobile Applications"	CUTs international organized a webinar on "privacy in mobile applications"	In 2017, the Supreme Court of India upheld privacy as a fundamental right. This initiated government's attempt to enact a Personal Data Protection Bill, which is currently under consideration by the Joint Parliamentary Committee. In addition to this, there has been an upsurge in the usage of operating systems, mobile applications and other third party applications which has brought to the forefront privacy concerns for consumers. Considering this, the following questions are becoming increasingly important:	N/A	Closed	ICT

					- What are the privacy issues associated with mobile applications & websites. - What are the current upheavals related to privacy in global digital ecosystems? and why and how do these affect consumers - What privacy policy reforms are required to address these issues? and can consumers do to protect their privacy? To this end, on the occasion of Safer Internet Day 2021, CUTS International, hosted an online session to demystify these questions and shed light on some important aspects of privacy in mobile applications.			
39	I	09-02-2021	10th meeting of Project India, called by CEN CENELEC	CEN CENELEC organized a meeting of Project India to finalize the draft agenda, draft action plan and the follow up actions	The agenda for the meeting was as below: - Updates: Joint Policy Groups - Update – Virtual introduction with the BIS Head of International Relations Department - SESEI update - Follow up Actions - Next steps and future meetings During meeting, Project India members finalized the draft agenda for virtual training on "European Standards supporting the EU-India Strategic Partnership" and also discussed Project India Action Plan 2021.	N/A	Closed	Generic
40	M	11-02-2021	17th meeting of LITD 10 Sectional Committee along with all its Panels	BIS organized 17th meeting of Power System Control and Associated Communications Sectional Committee in joint session	17th meeting of Power System Control and Associated Communications Sectional Committee in joint session with all its panels and Smart Energy Sub-Committee, was organized by BIS on February 11, 2021. The agenda was as below: - ITEM 1: Confirmation of the minutes of previous meeting - ITEM 2: New proposal for formulation of testing standards and procedures for Cyber	Continue support activities of this committee of BIS	Closed	Electrical Equipments Including Consumer Electronics

				with all its panels and Smart Energy Sub-Committee	Security compliance in Power Sector - ITEM 3: Adoption of IEC 62746-10-1:2018 'Systems interface between customer energy management system and the power management system - Part 10-1: Open automated demand response' - ITEM 4: International work - ITEM 5: Any other business			
41	M	11-02-2021	Virtual meeting of WG on Future Communication Technologies & Use cases in IoT domain	Telecom Engineering Centre (TEC) has been organizing regular meetings of WG on Future Communication Technologies & Use cases in IoT domain to finalize draft report.	TEC has released a Technical Report on Communication Technologies in IoT domain in July 2017, covering the details of then available cellular as well as non-cellular technologies and the related use cases. As the development of technology has accelerated, there is a need to study the emerging 5G communication technologies for IoT domain and related use cases. In the above context the main aim of all the meetings is to discuss/provide inputs to the draft report on Future Communication Technologies and Use cases in IoT domain. SESEI provides latest updates and work being carried out by ETSI and CEN CENELEC in the domain of IoT.	Continue working with TEC on this subject	Closed	ICT
42	E	11-02-2021	European Business Summit (EBS) Live Debate with Michel Barnier, Brexit Chief Negotiator	EBS organized a live debate with Michel Barnier, Brexit Chief Negotiator. The interview was led by Bloomberg reporter Maria Tadeo.	After a referendum, three prime ministers and five years of negotiations, the United Kingdom has left the European Union with a historic accord. But against the backdrop of Covid and the economic crisis it has inflicted, companies will have to deal with the Brexit fallout. - Which industry sectors are likely to be impacted the most? - Can Brexit turn into an opportunity both for European integration and for companies? - How will SMEs adapt to this new reality?	N/A	Closed	Generic

					Leading the talks between Brussels and London, Brexit chief negotiator Michel Barnier shared his views and insights.			
43	E	12-02-2021	MAIT - PCBA Report Launch by Sh. Ajay Prakash Sawhney, Secretary, MeitY	MAIT invited Sh. Ajay Prakash Sawhney, Secretary, MeitY for the launch of report on "Developing India's Leadership in Printed Circuit Board Assembly (PCBA).	During the event, Shri Ajay Prakash Sawhney, Secretary, MeitY launched a Report on "Developing India's Leadership in Printed Circuit Board Assembly (PCBA).

India's domestic Printed Circuit Board Assembly (PCBA) market demand is set to touch $81.5 billion by 2025-26, while the global PCBA demand is expected to grow to $330 billion by the same time. At the same time, India can export PCBAs up to $100 billion on the back of good incentives to overcome the cost disabilities, said the report by Manufacturers' Association for Information Technology (MAIT). | N/A | Closed | Electrical Equipments including Consumer Electronics |
| 44 | M | 12-02-2021 | Virtual meeting for finalizing IoT / ICT standards for Smart cities | Telecom Engineering Centre (TEC) has periodically been organizing meetings of WG members to discuss inputs/comments and expected to finalize the report soon | During the meeting inputs/ comments received from members were discussed to be incorporated for finalisation of the draft report.

SESEI expert has provided his inputs to this report. | Continue working with TEC on this subject | Closed | ICT/Smart cities |
| 45 | E | 12-02-2021 | Virtual Presentation of the EBG position Paper 2020 in Brussels | EBG organized a virtual presentation of EBG Position Paper 2020 on 12th February, | EBG Position 2020 was virtually launched on 25th November 2020. the position paper consolidated key concerns and market access issues faced by EBG members i.e. European corporates based and active in India.

The virtual presentation of the EBG Position Paper 2020 in Brussels brought together members of the EBG and relevant | N/A | Closed | Generic |

				2021 in Brussels.	representatives and stakeholders of the EU commission, European Parliament, Relevant ministries of EU member states, corporates and business support organizations, to shed light on key points addressed in the paper.			
46	M	16-02-2021	Virtual meeting of NWG-20 for finalizing contributions for ITU-T SG-20 meeting	TEC organized a virtual meeting of NWG-20 for finalizing contributions for ITU-T SG-20 meeting	TEC is participating and submitting contributions in ITU-T SG-20 from around last four-five years. In this period of time, two documents- Y Suppl.53 (having five IoT use cases from India and one from Egypt) and Y Suppl.56 (having smart city use cases from Japan, Korea, UK and India), having significant contributions from India, have been agreed / approved as ITU Recommendations. TEC has been advised by Mr. Marco Carugi, Rapporteur Q2/20 ITU-T SG 20, to work on the Draft Recommendation Y. SRC "Requirements for deployment of smart services in rural communities" in June 2020. Its initial draft was created by Spain in 2018 and there was not much significant progress in this work item there after. Mr. Marco suggested that this work item may be of interest to India and other developing countries. TEC, India is already preparing a TR on Smart Village & Agriculture so it may be a good opportunity to carry forward our work at International forum. It's first draft was submitted as a contribution in ITU-T SG-20, July 2020 meeting and then it was again refined, submitted and presented in ITU-T SG-20, Nov 2020 meeting. The next WTSA meeting will be held in Hyderabad, India in March 2022.	Continue working with TEC on this subject	Closed	Smart cities
47	M	17-02-2021	Panel meeting of SSD 10/P-2 of IT and ITes	BIS organized a panel meeting of SSD 10/P-2 of IT and ITes	The agenda of the meeting will be to finalize the Road map document of IT and ITeS, SSD 10 sectional committee	Continue working with SSD 10 of BIS	Closed	Services

| 48 | E | 17-02-2021 | VLC and Internet of Radio Light | India-EU Partnership Project on Collaboration for ICT Standardisation organized 28th webinar in the knowledge sharing series. | India-EU Partnership Project on Collaboration for ICT Standardisation organized 28th webinar in the knowledge sharing series. The topic of the webinar was "Internet of Radio Light VLC/mmWave Multicomponent Carrier 5G System Architecture and Results of Measurement Campaign in Building Research Establishment".

Mr Ajay Kumar Mittal, Advisor-Networks, Systems and Technologies, TSDSI moderated this webinar and John Cosmas, Professor of Multimedia Systems in the College of Engineering, Design and Physical Sciences at Brunel University London was a speaker. | N/A | Closed | ICT |
| 49 | E | 18-02-2021 | SGN Technical workshop on "6G (Beyond 5G)" | TSDSI organized a technical workshop on "6G (Beyond 5G)" to gather more inputs on Study Item on "Use cases, requirements and Technologies towards 6G" | A Study Item on "Use cases, requirements and Technologies towards 6G" is currently ongoing in SGN of TSDSI. In this context, TSDSI organized a technical workshop on "6G (Beyond 5G)" to gather more inputs on this subject. | N/A | Closed | ICT |
| 50 | E | 19-02-2021 | Workshop on "Connect India: In-building Solutions" by BIF in association with the Ministry of Housing & Urban Affairs | Industry body Broadband India Forum (BIF) organized an Interactive Workshop in association with the Ministry of Housing and | BIF organized an Interactive Workshop in association with the Ministry of Housing and Urban Affairs on "Connect India: In-building Solutions". The workshop also hosted key senior level representatives from the relevant government entities including the Telecom Regulatory Authority of India (TRAI), NITI Aayog, the Department of Telecommunications (DoT), and the Bureau of Indian Standards (BIS), apart from relevant stakeholders from across the concerned sectors. | N/A | Closed | ICT |

				Urban Affairs on "Connect India: In-building Solutions" on 19th February 2021.	The core objective of the workshop was to try and determine the requisite and prudent actions required to develop a robust digital infrastructure, so as to facilitate digital inclusion for the people, via efficient connectivity services and 'Broadband for All'.			
51	M	19-02-2021	Virtual 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"	Telecom Engineering Centre (TEC) has regularly been organizing WG meetings to finalize "draft document on Security by design Principle in M2M manufacturing and National Trust Center for the certification of M2M devices and applications (hardware and software)"	A virtual meeting of Working Group (WG) on "Security by design Principles in M2M device manufacturing and National Trust Center for IoT " was organized to review/discuss the inputs/comments received from members. SESEI expert has provided his inputs on "EU Cybersecurity Certification Framework"	Continue working with TEC on this document.	Closed	ICT
52	E	19-02-2021	Training on 'European Standards supporting the EU-India Strategic Partnership'	CEN CENELEC organized training on 'European Standards supporting the EU-India	The EU and India have a common interest in each other's security, prosperity and sustainable development. They can contribute jointly to a safer, cleaner and more stable world. In this context, CEN CENELEC organized training on 'European Standards supporting the EU-India Strategic Partnership' with the aim to inform attendees on the following key priority topics communicated in the EU-India Strategic Partnership:	N/A	Closed	Generic

				Strategic Partnership'	• Circular economy • Railways • Smart cities • Cybersecurity • Artificial Intelligence • IPR & copyright • The CEN-CENELEC team provided their expert information on European Standards. This was further supported by the Seconded European Standards Expert in India (SESEI), based in New Delhi, to provide a perspective from standard setting in India.				
53	E	19-02-2021	Webinar on Device Ecosystem for 5G Spectrum Bands	COAI-GSA-Qualcomm organised a Webinar on Device Ecosystem for 5G Spectrum Bands	The 5G Ecosystem is a rapidly expanding industry of suppliers from device manufacturing, network supply and maintenance, system integration, test & validation and consulting. 5G will be a game changer for India with the potential to create significant social and economic impact. As the 5G ecosystem develops in the country, Telco's are expected to focus beyond connectivity towards collaboration across the telecom value chain and across-sectors, leading to the creation of new business models and innovation. It will fuel the development of innovative business models across multiple sectors ranging from transport, health, and manufacturing to logistics, energy, and media and entertainment. It is an opportunity for operators to move beyond connectivity and collaborate across sectors such as finance, transport, retail, and health to deliver new and better services. It is also an opportunity for industry, society, and individuals to advance their digital ambitions, using 5G as a catalyst for innovation. 5G will naturally evolve from existing 4G networks and it will mark an inflection point in the future	N/A		Closed	ICT

					of communications, bringing instantaneous high-powered connectivity to billions of devices. It will enable machines to communicate without human intervention in an IoT environment capable of driving a near-endless array of services. This webinar discussed the various aspects of Device Ecosystem for 5G Spectrum Bands in terms of deployment, advancement, readiness and challenges faced globally as well as in India			
54	I	19-02-2021	SESEI meeting with CEN CENELEC officials	CEN CENELEC organized a meeting with SESEI expert to discuss participation of CEN CENELEC in ISUW 2021	SESEI expert has secured a place to speak at the India Smart Utility Week (ISUW) 2021 scheduled on 2-6 March, 2021. A meeting was called by CEN CENELEC to seek more information on ISUW 2021 and to discuss about speakers to present the ESO efforts on standardization for smart cities/energy. CEN CENELEC will be participating in ISUW 2021 and sharing expert knowledge on smart energy/cities.	N/A	Closed	Electrical Equipments including Consumer Electronics
55	I	22-02-2021	Meeting with Mr. Xavier Piednoir, Head of External Relations, ETSI	SESEI expert organized a meeting with Mr. Xavier Piednoir, Head of External Relations, ETSI to discuss the Interim Report ToC	Meeting was held to discuss and finalise the Table of Contact of Interim Report and following are finalised in line with the last Interim report and new activities taken up during this phase. List of tables List of Annexes Introduction Executive summary COVID-19 impact on project SESEI 5.1 SESEI Travel 5.2 SESEI Assistant Training 5.3 Budget implications 5.4 Mitigation measures and proposed way forward Quarterly Reports Specialized Reports	N/A	Closed	Generic

					7.1 Indian Landscape around Standardizations			
					7.2 Indian Trade report			
					7.3 Chapter on EU – India trade and standardization			
					7.4 Indian Standards Catalogue – BIS Catalogue			
					SESEI Project Activities Overview			
					8.1 SESEI Project Activities: Generic			
					8.2 SESEI Project activities: Automotive sector			
					8.3 SESEI Project activities: Electrical Equipment (including Consumer Electronics) sector			
					8.4 SESEI Project activities: ICT including Services			
					8.5 SESEI Project activities: Smart City sector			
					8.4 SESEI Project activities: link & support to other projects/initiatives			
					8.6.1 EU-India & InDiCo projects			
					8.6.2 CEN/CENELEC India Taskforce			
					8.6.3 Other projects			
					8.7 SESEI Project activities: New initiatives			
					8.7.1 Resource Efficiency			
					8.7.2 Railways			
					8.7.3 Lift and escalators			
					8.7.4 Services			
					SESEI Project Management and Administration			
					Liaison Office establishment and other Administrative matters			
					Project promotion (Website/Newsletters) & Assessment			
					Steering Committee Meetings			
					Financial Statement			
					Status of Total Costs			
					Cost control Strategy table			
					Conclusion			
					List of abbreviations			
56	M	22-02-2021	Meeting with Ms. Deepa Tyagi , Head of TEC	TEC sought a meeting with ETSI/SESEI	Telecom Engineering Centre (TEC) has been implementing Mandatory Testing and Certification of Telecom Equipments (MTCTE) in India. The testing of notified products is to be	Continue provide support to TEC in developing a robust ,	Closed	ICT

				expert to discuss about a collaboration between TEC and ETSI on developing the right ecosystem for oneM2M testing.	carried out for conformance to Essential Requirements for the equipment, by Indian Accredited Labs designated by TEC and based upon their test reports, certificate shall be issued by TEC. TEC has designated over 58 labs in India as CABs that are accredited to carry out the testing under the MTCTE scheme.a lot of IOT products / devices/ systems / platforms/ applications would be required to be tested and certified by these labs .TEC is also in the process of formulation of a broad framework for a National trust center (NTC) for registering / certifying / monitoring the whole gamut of entities of the IOT/ M2M ecosystem. For the above to succeed , it is imperative that TEC has a robust , trustworthy and adequate testing ecosystem in the country. In this context, Head of TEC requested a meeting with ETSI officials/SESEI expert to discuss about possible opportunities to partner with ETSI for setting up a robust testing and interoperability set up in India.	trustworthy and adequate testing ecosystem in the country.		
57	E	23-02-2021	Workshop - India EU ICT Standards Collaboration	India-EU ICT Standardization Collaboration Project organized a workshop on India EU ICT Standards Collaboration	Agenda of the workshop was as below: **Session 1**: Relevance of India EU Collaboration on ICT topics. **Session 2:** Phase 1 achievements and the perspective of the stakeholders **Session 3:** EU support to ICT standardisation collaboration – InDiCo, SESEI, bilateral project **Session 4**: Roundtable for sourcing inputs for EU India cooperation on ICT standardisation	N/A	Closed	ICT

					Mr. Emilio Davila, DG CNECT, European Commission attended this workshop as a Moderator:.			
58	E	23-02-2021	Launch of digital initiatives of MoHUA	The Ministry of Housing & Urban Affairs (MoHUA) organized a virtual event to launch of digital initiatives of MoHUA	Smart Cities Mission (SCM) has made significant strides in digital initiatives to ensure the benefits of technology reach all citizens. To accelerate these efforts, the Ministry of Housing & Urban Affairs (MoHUA) has launched the National Urban Digital Mission (NUDM). The NUDM will epitomize MoHUA's citizen-centric approach to building cities by becoming an umbrella Mission to catalyze the transformation of India's urban governance through an effective and responsible use of technology.

Further, the Ministry is now in readiness to deploy the production version of India Urban Data eXchange (IUDX) platform.

In addition, MoHUA has redesigned the Smart Cities Mission website, giving it a new look and feel, and improving the overall user experience as a single stop for all Smart Cities initiatives. The Mission has also developed a Geospatial Management Information System (GMIS) that enhances the monitoring and performance management capabilities of the Mission SmartCode platform that has been developed as a repository of open-source digital products.

In this context, MoHUA organized a virtual event on 23rd February 2021 in the august presence of the Hon'ble Minister of Housing and Urban Affairs, Shri Hardeep Singh Puri, and the Hon'ble Minister of Electronics and Information Technology, Shri Ravi Shankar Prasad. The event featured the launch of the National Urban Digital Mission (NUDM), together with other digital initiatives viz. India Urban Data eXchange (IUDX), Smart | N/A | | Closed | Smart cities |

					Cities 2.0 Website, Geospatial Management information System (GMIS), and SmartCode.			
59	M	25-02021	Meeting of Sectional Committee SSD-II 10-IT & IT enabled Services	Bureau of Indian Standards (BIS) organized a meeting of Sectional Committee SSD-II 10-IT & IT enabled Services	Meeting of the SSD10-II of BIS was called to discuss the following: - Actions points arising out of previous meeting - Composition of sectional committee - Progress of work assigned to panels (SSD 10/P-1 & SSD 10/P-2) - Draft Indian Standards which are in Wide Circulation - Areas and subjects for standardization recommended by the Panel1of the committee	Continue work with BIS on this subject	Closed	Services
60	E	26-02-2021	Training by Commonwealth Standards Network (CSN) on eLearning Modules	CSN organized a virtual event to complete Modules 1 and 2 on International standards and Benefits of using international standards respectively.	The CSN eLearning Modules 1 & 2 are now available on the portal. • CSN eLearning Module 1: International standards - https://www.commonwealthstandards.net/elearning/csn-elearning-module-1-international-standards-r5/ • CSN eLearning Module 2: Benefits of using international standards - https://www.commonwealthstandards.net/elearning/csn-elearning-module-2-benefits-of-using-international-standards-r6/	N/A	Closed	Generic
61	E	26-02-2021	Ideation workshop for Vision 2035 Smart Cities	An ideation workshop for Vision 2035 Smart Cities curated by the Smart Cities Working Group of the IET Future Tech Panel.	Smart Cities Working Group of the IET Future Tech Panel. Organized an ideation workshop for Vision 2035 Smart Cities to brainstorm on what: • The cities of 2035 would look like • Important services you expect to have access to • Challenges you foresee with smart cities in the future	N/A	Closed	Smart cities

62	E	08-01-2021	Smart move challenge's workshop on Building data-powered solutions to achieve sustainable transport : Multi Modal Integration	The session focused on how innovation and tech-driven solutions can help improve public transport's ridership.	During this workshop, Mr. John Barry- Former adviser, Transport for London, shared his knowledge on Building Data-powered Solutions to achieve sustainable transport with multi-modal integration	N/A	Closed	Smart Mobility
63	E	09-01-2021	Webinar on "Future of Automobiles-Post Pandemic - A roadmap to develop EV Market to boost the economy"	ASSOCHAM INDIA organised a webinar on "Future of Automobiles-Post Pandemic - A roadmap to develop EV Market to boost the economy"	Background: The pandemic has created a fear of using public transport, and an increase in personal mobility is expected. In this scenario, the usage of EV will be beneficial as it controls the pollution levels (which can dramatically increase from higher use of personal ICE vehicles) but also push the demand and supply for EVs in the long run, eventually creating a price parity between EVs and ICE vehicles. The Electric Vehicle (EV) segment in India has gathered momentum in recent years, but a mismatch in intent and action has resulted in limited on-ground adoption of EVs. However, the expected growth of the automobile sector (especially in the personal-mobility space), due to the ongoing COVID-19 pandemic and people's increased understanding of vehicular emissions, creates immense scope for the exponential growth of the EVs industry in India. Keeping the VISION of Hon'ble Prime Minister of India and making Indian Industry Self-Reliant and to Enhance Domestic Manufacturing with increased Employment Opportunities and work out Road Map to revive EV Industry Market. ASSOCHAM Southern Region organized a webinar on "Future of Automobiles" on 9th January 2021. During the webinar, speakers shared views on:	N/A	Closed	Smart Mobility

					• Roadmap/Framework to revive the EV Industry Post Pandemic • Innovation in manufacturing, conversion kits, and end-of-life vehicle management for EVs • Encourage EV imports with tax benefits or aggressively accelerate "Make in India" to achieve milestone. • Investment in localized manufacturing across the value chain and skills improvement • Boost in EV Infrastructure including setting up and implementing a fast-charging consortium that builds fast-charging network every 50mn on Indian highways. • Enable build value chain capabilities from the cell, power electronics, and motors and boost localization through SMEs. • Government-industry partnerships to develop Giga Battery production plans for Promoting EV Clusters in the State			
64	E	12-01-2021	5G Hackathon - Announcement of Top 100 Use Cases	During the Virtual India Mobile Congress 5G Hackathon was held to announce the Top 100 use cases by Shri Anshu Prakash, Secretary (T) & Chairman DCC, Department of Telecommunications, Government of India	The Department of Telecommunications (DoT) had organized a 5G Hackathon to identify & scale ideas, relevant to India, in the 5G realm, that will be developed into workable products and services. The first phase of the 5G Hackathon has concluded successfully and the top 100 use cases were announced during the virtual event on 12th January, 2020 by Shri Anshu Prakash, Secretary (T) and Chairman DCC, Department of Telecommunications.	N/A	Closed	ICT

| 65 | E | 12-01-2021 | FICCI Masterclass on Blockchain as a Technology and its Impact on Industry | FICCI in association with Industry partner - Emurgo India, organised a power-packed workshop intended to update on the significance of Blockchain as an extremely disruptive technology and how its adoption in various domains is going to impact businesses and revolutionize it. | During the FICCI masterclass on "Blockchain as a technology and its impact on industry", speaker covered following in his presentation:
 - Basic introduction of Blockchain technology, its benefits, Evolution of BC etc.
 - BC has the potential to transform multiple industries such as Banking & Finance, Real States, Healthcare, Transportation, Education etc. and make processes more democratic, secure, transparent, and efficient
 - BC is a decentralized network of nodes and its benefits over centralized system <br> o Provides a trust-less environment, <br> o Improves data reconciliation, <br> o Improves safety and security of an entity <br> o Reduces points of weakness, <br> o Optimizes resource distribution
 - Gave an overview of BC use cases in multiple industries Globally and in India.
 - Around 50% of Indian states are involved in BC related initiatives and driving the public sector blockchain adoption in India
 - Recording of the same is available here: https://www.youtube.com/watch?v=PUnFofqtcrc | N/A | Closed | ICT |
| 66 | M | 13-01-2021 | Meeting of Working Group (WG) on "Security by design Principles in M2M device manufacturing and National Trust Center for certification of | Telecom Engineering Centre (TEC) has regularly been organizing WG meetings to finalize "draft document on Security by design Principle | A virtual meeting of Working Group (WG) on "Security by design Principles in M2M device manufacturing and National Trust Center for IoT " was organized to review/discuss the inputs/comments received from members.

 Take-away and way forward of the meeting:
 1. Members are requested to give their inputs in the draft document in track change mode.
 2. Draft guidelines for consumer IoT security are available at | Continue working with TEC on this document. | Closed | ICT |

			M2M devices and applications"	in M2M manufacturing and National Trust Center for the certification of M2M devices and applications (hardware and software)"	https://www.tec.gov.in/extension-of-last-date-for-submitting-comments-on-draft-guidelines-for-consumer-iot-security/ Date for submitting comments has been extended to 29.01.2021. It is requested to give your comments on the same.			
67	E	15-01-2021	Panel Discussion on "Economics and Markets for Non-Personal Data"	CUTS E-GROUP FORUMS organised a Panel discussion on "Economics and Markets for Non-Personal Data- Issues of Technology, Economy & Policy"	CUTS E-GROUP FORUMS organised a Panel discussion on "Economics and Markets for Non-Personal Data- Issues of Technology, Economy & Policy". During the panel discussion, panellist shared their views on : - How Non-Personal data should be managed/operated - What should be the rights of consumers - what are the issues in adopting technology etc.	N/A	Closed	ICT
68	E	15-01-2021	2nd Annual FTTH India Congress 2021	Nexgen Conferences Pvt. Ltd. Organized a online webinar titled " 2nd annual FTTH India Congress 2021"	In India, there are serious efforts to ensure that affordable FTTH services to be provided to the customers and this will positively faster the India economy growth. Currently substantial numbers of homes whch already have FTTH service and industry see phenomenal growth for the future. There are challenges needs to be addressed which were highlighted during this virtual conference and senior fraternity from FTTH industry attended this conference to share their insights to understand those important aspects. The conference covered all important topics related to Fiber to the Home (FTTH) & Industry senior fraternity from FTTH	N/A	Closed	ICT

					ecosystem including Government, Operators, and Vendors delivered thoughtful insights during the conference.			
69	E	16-01-2021	Beyond Ease of Doing Business Rankings organised by CUTS International at SKOCH Public Policy Forum	CUTS and SKOCH organized a webinar on "Beyond Ease of Doing Business Rankings"	The Government of India has wholeheartedly adopted the World Bank's approach to rank countries on its Ease of Doing Business indicators. It has aimed improvements on rankings with a single-minded pursuit. The Government has even launched the Business Reform Action Plan to rank states on business reforms they claim to have implemented, and promoted competitive federalism. Despite benefits and shortcomings of rankings, it is becoming evident that climbing charts cannot become an end in itself and much more efforts are required on the ground to make life easier for entrepreneurs, both small and large, each facing their unique sets of challenges. These challenges can be broadly categorised into stock and flow of regulatory requirements. The former relates to existing requirements, and their implementation, and the latter with the manner in which such requirements are changed. Subjecting the existing requirements to a three-step test of legality, necessity, and proportionality, and the proposals to a cost-benefit analysis would be necessary to address such challenges. This will require institutionalising reforms such as regulatory impact assessment. The focus of the online panel discussion was that whether the reforms necessary to take ease of doing business efforts by the government to the next level, beyond existing rankings.	N/A	Closed	Generic
70	E	16-01-2021	Virtual Panel Discussion - Personal Data Protection Bill	ICRIER, in collaboration with SKOCH organised a	Data flows have become indispensable to global trade and commerce, and have been drivers of socio-economic transformation. However, they have also amplified data governance concerns, particularly those related to anti-trust	N/A	Closed	ICT

			and its Implications	virtual panel discussion titled 'Personal Data Protection Bill and its Implications' on 16th January, 2021. This discussion was a part of the Public Policy Forum at the 70th SKOCH Summit.	conduct, privacy, data security and surveillance. The Indian Government is in the midst of enacting the Personal Data Protection Bill, 2019 with a view to strengthen the domestic data protection regime. Through this discussion, ICRIER seeks to analyse the impact of the proposed legislation on the country's data governance objectives and broader digital ambitions. Broadly, the discussion aims to delve into the following three questions: • What are the potential implementation gaps and challenges in the proposed legislation? • What would be the economic implications of the emerging regulatory regime? • And, has privacy emerged as an important form of non-price competition?			
71	M	18-01-2021	Concall Meeting with Mr. Suman Bhowmeick to discuss IET Digital events plans 2021	Meeting to discuss cooperation between IET and EU Project Indico for carrying our Webinar in collaboration	During the call, discussion carried out on a series of topics under 5G and beyond which includes vertical applications like: • 5G in Automotive • ITS • Traffic management & e-governance • Using DoT use cases identified from the 5G hackathon/s Indico team asked IET to submit a proposal for 6 month with extension possibility. Proposal was received post this call and Indico team confirmed back below on it: We are pleased to confirm ETSI "go ahead in principle", based on your proposed half-year partnership (including 3 to 6 seminars) at INR 5 Lacs (the equivalent of 5 626 € all inclusive), funded by the InDiCo project. Let us know if you have the corresponding agreement or PO and what the payment conditions could be. -	Extend support to Indico	Closed	ICT

| | | | | | We would like to have the flexibility to consider this half-year partnership, either from Feb to July 2021 included, or every other month of the entire year 2021, in case the InDiCo project gets extended until the end of 2021. In both cases, the number of webinars would remain in the frame you have defined (3 to 6) and there would be only three in the first semester until the end of July 2021.

Regarding the branding of the partnership, our view is that the IET India 'Standardisation Partners' should be ETSI and TSDSI, with the supporting project names in small prints : funded by InDiCo and enabled by SESEI; or something of the sort. But before we can confirm these branding guidelines, we need to contact TSDSI and will come back to you shortly to confirm this.

Regarding the webinars, we will first go for 3 until the end of July 2021. We need a few more days to discuss the most appropriate topics internally and with our stakeholders, to which we should contribute. Could you just tell us which webinars are still open for contributions in your schedule among the following ?
- 19 Feb – Hyperautomation
- 26 March – Future Cities – Autonomous with blockchain, IoT, AI
- 23 April – Partner event
- 21 May – ITS
- 18 June – Industrial Information and Robotics – Guidance for MSMEs
- 9 July – Trends in Telehealth | | | |
| 72 | E | 19-01-2021 | Modernization in Indian healthcare ecosystem | ASSOCHAM organized a webinar on | Background: Healthcare industry in India comprises of hospitals, medical devices, clinical trials, outsourcing, telemedicine, medical tourism, health insurance and medical | N/A | | Closed | ICT |

				"Modernization in Indian healthcare ecosystem" Strategies, way forward and preparedness for pandemics	equipment. Growing incidence of lifestyle diseases, rising demand for affordable healthcare delivery systems due to the increasing healthcare costs, technological advancements, the emergence of telemedicine, rapid health insurance penetration and government initiatives like e-health together with tax benefits and incentives are driving healthcare market in India. In recent years, medical researchers are talking about the latest terms of healthcare industry such as IOT in healthcare, e-health, m-health, app-based diagnosis, online ambulance booking, big data analytics on the EMRs, promoting generic drugs, and so on. In India the healthcare industry is projected to reach $372 bn by 2022. The industry is growing at a tremendous pace owing to its strengthening coverage, services and increasing expenditure by public as well private players. With an objective in line to modernization the webinar covered the following areas: . Demand from Global and Domestic investors · Telemedicine & Mobile based health delivery · Expansion in Tier 2 and Tier 3 cities · Expansion in domestic medical device industry and innovation · Affordability and quality · AI and Medical informatics · Government policies · Health insurance · The shift of lifestyle diseases · Medical tourism			
73	E	20-01-2021	10-10 webinar "The CEN and CENELEC Strategy 2030: highlights	Webinar organised by CEN CENELEC to give a sneak	A comprehensive introduction to the CEN and CENELEC Strategy 2030, covering strategic context and drafting and consolidation process, vision and mission, goals and priorities. In addition, an overview of next steps were presented	N/A	Closed	Generic

			and implementation"	into the strategy for CEN CENELEC	regarding the new Strategy's implementation and the monitoring and evaluation of progress.			
74	E	21-01-2021	The Future of Urban Transformation "4th Smart Cities Summit" Virtual Conference, Exhibition & Awards Organised by FICCI	FICCI organized 4th Smart Cities Summit and 2nd Smart Urban Innovation Awards Theme: The Future of Urban Transformation on 21-01-2021	FICCI organized 4th Smart Cities Summit and 2nd Smart Urban Innovation Awards Theme: The Future of Urban Transformation. The agenda was as below: - Release of FICCI-EY Report "The Journey of Urban India: From Conventional Policy Implementation to Disruptive Transformation" - Smart Urban Innovation Awards Ceremony - Panel Discussion I: Interaction with Municipal Commissioners/ Smart Cities Commissioners and CEOs of ULBs - Panel Discussion II: Creating Future Liveable and Sustainable Cities	N/A	Closed	Smart Cities
75	E	21-01-2021	Online Discussion on the Report by the Committee of Experts on Non-Personal Data Governance Framework	An interactive stakeholder deliberation was organised by CCAOI, a civil society organisation working on digital policy issues, to deliberate on the revised report by the Committee of Experts on Non-Personal Data	Under chairmanship of Shri. Kris Gopalakrishnan, the committee was constituted in 2019 and published its first report in September'20 for public consultation. Comments on revised report were invited till 31st January. Some of the objectives of the report include, establishing a rights and data sharing framework for generating economic benefits for Indians by unlocking social, public and economic value of data and addressing concerns of data lock in by monopolies. During the discussion, the improvements suggested include, 1. Need for more detailing was highlighted by all panellists. • Have more details of execution related to data privacy and security issue, how data sharing is likely to happen, issues related to intellectual property and how the Committee thinks it will help innovation. • Need for more details on liability and accountability	N/A	Closed	ICT

| | | | | | Governance Framework. | framework to ensure all stakeholders in the NPD ecosystem follow through the process uniformly.
2. Better clarity on definitions, roles and responsibilities.
• Need for more clarity on concepts proposed, such as the role of data trustees and community, relation of data principal with the community and level of association, clarity on concepts of community rights.
• Need to contextualize 'Public interest.'
• Define clearly duty of care.
• It was opined that as startups need predictability it is important to provide clarity with respect to definitions, benchmarks, obligations, and accountability.
• While discussing Non personal data, there is a need to include discussion of open government data and use of non-personal data in public interest that needs to be clearly defined.
3. Review the regulatory cost burden of compliance. It was shared that the cost of compliance would depend on the benchmarks set, which need to be specified.
4. Review possible regulatory overlaps especially in coordination with Competition Commission of India, or with national, sectoral and state level regulatory bodies.
5. Tests the concepts in terms of implementation before finalising a legislation.
6. Need to create enough incentives and accountability mechanism such as how to ensure data will be used for public good, how to ensure data | | | |

					provider is a responsible data provider. 7. Bring in Indian regulatory best practices.			
76	E	21-01-2021	Release of CCICI Report on "Cloud Adoption in India"	CCICI has conducted a study on Cloud Adoption in India with participants from Government, Industry, Academicians and Cloud Service Providers in 2020. The Report on Cloud Adoption in India 2020 has been prepared jointly with IIM, Bangalore. This activity was led by Prof S Raghunath from IIM Bangalore and the CCICI Cloud Study Task Force chaired by Dr. Lalit Mohan, IDRBT and Prof	This report provides: a) Insights into Cloud Usage Patterns b) Trends in Cloud Offering and Deployment c) Challenges/Roadblocks in Cloud Adoption d) Expectations towards Enhanced Adoption f) Expectations from CCICI Dr. Rajendra Kumar, Additional Secretary. MeitY, Shri Kris Gopalakrishnan, Founding President CCICI and Prof Rishikesha Krishnan, Director IIMB released the report and provide their perspective on the report. The report points out that in order to accelerate deployment of Cloud Computing and hence Digitalization of India, the key is to level the playing field for Indian Cloud Technology and Service Providers. Hence to achieve "Atma Nirbhar" Cloud deployment we need to address the challenges related to Interoperability, Standards, Compliance etc.	N/A	Closed	ICT

				Nitin Upadhyay, IIM Jammu.				
77	M	22-01-2021	Introductory Meeting with Consort Digital	Consort Digital is a company working in the mission critical communication domain and have recently joined ETSI. They are involved in developing ETSI based MCPTT/MCx solutions for potential customers.	Consort Digital contacted SESEI for introductory meeting as well as understand the efforts & mandate of ETSI and SESEI in India. Their main interest is the growing adoption of standards based solutions for various projects and industries. Both sides agreed to work together and support adoption and implementation of global standards around Mission Critical application	Continue provide support to Consort Digital	Closed	ICT
78	M	27-01-2021	Meeting No. 2 of the BIS LITD-35 on Active Assisted Living	Bureau of Indian Standards (BIS) organized 2nd Meeting of Active Assisted Living Sub-Committee, LITD 35	**Agenda of the meeting was as below:** - Item 1: Formal Confirmation of the minutes of the last meeting - Item 2: Composition of Sectional Committee - Item 3: Review of International Standardization Activities - Item 4: Discussion on the TRAI recommendations on making ICT accessible for PWDs - Item 5: Discussion on standardization roadmap for the committee LITD 35: . BIS informed the committee that there is step by MeiTy for the adoption of European Standard EN 301 549. . Final decision on adopting the ETSI standard EN 301 549 will be taken after receiving the review report from CDAC.	Continue working with BIS on this subject	Closed	ICT

					SESEI expert is an active member of this committee and has been participating in meetings to promote EV 301 549 in India.			
79	E	27-01-2021	Webinar on 'Artificial Intelligence: Empowering India for the future'	Telecom Committee of PHDCCI organized a webinar on 'Artificial Intelligence: Empowering India for the future	The eminent panellists to discuss AI were: 1. Mr. Arun Karna , MD & CEO, AT&T Global Network Services India 2. Ms. Shamli Prakash, Country Head-India, Zenon AI 3. Mr. Arnab Thakur, Former Programme Director (Atal Innovation Mission), NITI Aayog 4. Mr. Mukesh Jain , Chief Technological & Innovation Officer - Insights & Data, Capgemini India	N/A	Closed	ICT
80	E	27-01-2021	NTIPRIT organized a Webinar on "Quality of Service in 5G Network" as part of the Webinar Series on "Emerging Trends in 5G	National Telecommunications Institute For Policy Research, Innovation and Training (NTIPRIT) organized a webinar on "Quality of Service in 5G Network"	5G enables a new kind of network that is designed to connect virtually everyone and everything together including machines, objects, and devices. It is meant to deliver higher multi-Gbps peak data speeds, ultra-low latency, more reliability, massive network capacity, increased availability, and a more uniform user experience to more users. Higher performance and improved efficiency enhanced user experiences and connects new industries. 5G is designed to not only deliver faster, better mobile broadband services compared to 4G LTE, but can also expand into new service areas such as mission-critical communications and connecting the massive IoT. 5G radio is based on OFDM (Orthogonal frequency-division multiplexing), a method of modulating a digital signal across several different channels to reduce interference. 5G also uses wider bandwidth technologies and various bands such as sub6 GHz and mmWave. The frequency bands for 5G networks come in two sets. Frequency range 1 (FR1) is from 450 MHz to 6 GHz, which includes the LTE frequency range. Frequency	N/A	Closed	ICT

| | | | | | range 2 (FR2) is from 24.25 GHz to 52.6 GHz. The sub-6 GHz range is the name for FR1 and the mmWave spectrum is the name for FR2.

As 5G system is designed to support various usages scenarios such has Enhanced Mobile Broadband (eMBB) supporting multi Gigabit speed, Ultra Reliable and Low latency Communications (URLLC) such as Self driving car , Remote Surgery etc and Massive Machine type Communications(mMTC) such as IoT used for different use cases in smart city, Agriculture, Industries etc. All these will require different level Quality of Service. 5G System is designed to support Quality of Service requirement for these uses scenarios.

The 5G QoS model is based on QoS Flows. The 5G QoS model supports both QoS Flows that require guaranteed flow bit rate (GBR QoS Flows) and QoS Flows that do not require guaranteed flow bit rate (Non-GBR QoS Flows). The 5G QoS model also supports Reflective QoS. The QoS Flow is the finest granularity of QoS differentiation in the PDU Session in 5G Network. A QoS Flow ID (QFI) is used to identify a QoS Flow in the 5G System. User Plane traffic with the same QFI within a PDU Session receives the same traffic forwarding treatment (e.g. scheduling, admission threshold). The QFI is carried in an encapsulation header on N3 (and N9) i.e. without any changes to the e2e packet header. QFI shall be used for all PDU Session Types. The QFI shall be unique within a PDU Session. The QFI may be dynamically assigned or may be equal to the 5QI. | | | |
| 81 | M | 27-01-2021 | Meeting with Dr. Sara Zennaro Atre,First | EU Delegation to India sought a meeting with | SESEI provided details and shared information on the BIS related activities. SESEI also provided documents and reports prepared on the BIS stanadrds and the ongoing cooperation | Work with EU Delegation to India | Closed | Generic |

					between SESEI project partners & BIS. 1) SESEI recent engagement with BIS including list of queries as addressed, last quarterly report with presentation https://sesei.eu/wp-content/uploads/2021/01/Quarterly-Report-No-6_-Jan-2021.pdf https://sesei.eu/wp-content/uploads/2021/01/SESEI-IV-Quarterly-report-No.-6-Presentation.pptx 2) On more details of Indo-Germany cooperation around standards https://www.giz.de/en/worldwide/32230.html 3) On more details of MoU between BIS and European, please find enclosed the excel file with links to these MoUs 4) On more details of MoU between CEN – CENELEC and ETSI : please find enclosed the last draft copy agreed between the parties and now we are waiting for BIS to confirm it for closure/signature. Please use this for information purpose only and don't distribute this further.	to enhance cooperation with BIS		
			Secretary - Trade Section, & Mr. Sunil Kumar from Delegation of the European Union to India	SESEI to have a discussion ansd seek inputs to explore possibilities to enhance cooperation with BIS and get an update on SESEI activities.				
82	M	27-01-2021	Conference call Meeting with Mr. A Rao of Trusted Objects for a discussion on ETSI 303 645 & Secure By Design	SESEI had a meeting with Mr. A Rao, Trusted Objects, to discuss ETSI EN 303 645, standard for consumer IoT security	TEC is in the process of finalizing document on "Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications" SESEI expert has provided his inputs to the draft document which are well considered in this draft document. In this regard, SESEI organized a meeting with Mr. A Rao, Trusted Objects, to discuss how we need to leverage ETSI EN 303 645 as baseline and move forward on the "secure by design" recommendations.	Continue working with TEC on this document.	Closed	ICT
83	E	28-01-2021 and 29-01-2021	"RAIL INDIA FORUM & EXPO 2021: Future of Rail Transport" 3rd edition of	FICCI organised the RAIL INDIA FORUM & EXPO 2021: Future of Rail Transport"	RAIL INDIA FORUM & EXPO 2021 brought together government & private sector across the railway value chain to explore, learn from global best practices, interact with potential business partners and enter into a constructive dialogue regarding various concerns and opportunities	N/A	Closed	Railways

			Smart Railways Conclave (Virtual)	3rd edition of Smart Railways Conclave (Virtual)	associated with Indian Railways. The recording/viewing link of the sessions for your ready reference and use. Day 1 – Inaugural Session https://youtu.be/IT1BE4CbNss Day 1 – Panel Discussion https://youtu.be/B-sTLXO2sJs Day 2 – Panel Discussion https://youtu.be/A_4LAL4d-pk			
84	E	28-01-2021	ISGF & AWS Webinar on Adoption of Frontier Technologies by DISCOMs: Myths, Challenges & Way Forward	India Smart Grid Forum in association with Amazon Web Services organised a webinar on the adoption Frontier technologies for the transmission / grid utilities.	Power transmission is the backbone of the electric grid connecting generating stations to DISCOMs across all regions of the country. The transmission utilities have evolved with the changes in grid and new challenges that came along including new generation resources being added to the grid as well as new regulations. These changes are dynamic and are intended to make the electricity sector more secure, resilient and customer centric. Adapting to these dynamics require adoption of frontier technologies in a planned manner. Transmission utilities can transform and converge information technology (IT) and operational technology (OT) applications leveraging the open standards and reliable platforms available today. ISGF member Amazon Web Services (AWS) provides the development platform and a network of global partners to rapidly develop and deploy innovative new applications for utilities and support in driving innovation by applying the most comprehensive service offerings and technology - including analytics, artificial intelligence, machine learning, and Internet of Things (IoT) services - to securely transform massive data volumes into timely, actionable insights.	N/A	Closed	Electrical Equipment including Consumer Electronics
85	E	29-01-2021	MAIT Webinar on "Designing electronics for the world in India"	Government of India is introducing encouraging policies and incentives to	This webinar was conducted to understand the vision of the Government / Ministry of Electronics & IT for promoting the Electronics System Design and Manufacturing (ESDM) sector. The key topics and addresses during the webinar were on: - Address by MeITy on What is MeitY's vision for making India a global hub in electronic hardware design by Shri Saurabh	N/A	Closed	Electrical Equipment including Consumer Electronics

				promote Electronics System Design and Manufacturing (ESDM) sector	Gaur, IAS, Joint Secretary, MeITy - Panel Discussion on the the need of the Industry to meet the challenges on hand for making India destination for the Electronic hardware design			
86	E	29-01-2021	Aatmnirbhar Bharat - Circular Economy & Energy Efficient Technologies by ASSOCHAM	ASSOCHAM GEM Green Building Council in association with ISLE India's Premier Lighting Association for professionals presented a webinar on the topic "Aatmnirbhar Bharat - Circular Economy & Energy Efficient Technologies" on 29 January 21	During the session, various technologies and solution with a greater focus towards the building/contruction were presented and discussed.	N/A	Closed	Environment & Circular Economy

Queries (Jan, Feb & March 2021)							
Sr. No.	Date of Receipt	Brief Description	Requester	Sector	India Responsible	Action/Update	Document Reference	Status
1	10-Mar-21	Provided updates on Market Surveillance	ird@bis.gov.in	Generic	BIS	Dear Madam and Sir, Referring our discussion, please find: 1) Presentation shared during the webinar as enclosed along with additional information shared post webinar as below. 2) Some old slides on Standards & CE Marking which also includes NANDO, MRA, MARKET SURVEILLANCE, 6 STEPS for Manufacturer (https://ec.europa.eu/growth/single-market/ce-marking_en) 3) The 'Blue Guide' on the implementation of EU products rules 2016 (https://ec.europa.eu/growth/content/%E2%80%98blue-guide%E2%80%99-implementation-eu-product-rules-0_en) 4) List of Labs including Foreign Labs accredited in India. Please let me know if missed any action item from our meeting.	Email Query	Closed
2	9-Mar-21	Dear Dinesh, Pleased to make your acquaintance. I lead the Eltres (https://www.sony-semicon.co.jp/products_en/eltres/index.html) launch	Rajni.Agarwal @sony.com <Rajni.Agarwal @sony.com>	ICT	Semiconduct or Solutions Europe, a division of Sony Europe B.V.	Dear Rajni, While I don't deal with spectrum matters anymore but due to past and queries like this, do have some knowledge about it. Which frequency band you are interested to be specific. Happy to have a call next week to discuss status of below items if they are still open after reviewing the attachments. - sub-GHz license exempt spectrum for LPWA systems	Email Query	Closed

		programme in Europe on behalf of Sony, and we are trying to seek the relevant information about usage of sub-GHz license exempt spectrum for LPWA systems (similar to LoRaWAN/Sigfox). I am familiar with ETSI standards and would like to understand if and how any of these apply to LPWA usage in India. Also, what is the route to certification; is it CE marking or other test standards used for kit in India? Regards Rajni				(similar to LoRaWAN/Sigfox). - Testing and Certification scheme for import of such spectrum related products/solutions. Do spend some time reading below docs as they would give you ideas on it. - NFAP 2018: Check especially the Section 3D — India Footnotes to the column named "India" in the Table of Frequency Allocations - GSRs on 5.8Ghz license exempt band - FAQ - TEC report on M2M/IoT https://www.tec.gov.in/technical-reports/ and report on Spectrum requirements for PLC and Low power RF communications (https://tec.gov.in/pdf/M2M/Spectrum%20requirements %20%20for%20PLC%20and%20Low%20power%20RF%20 communications.pdf) as we captured some information in it as well.		
3	23-Feb-21	Query on EU Standards on Sports Good	scgt@bis.gov.i n	Generic	BIS	Dear Sir, Please find enclosed list of EU standards on Sports Good .	Email Query	Closed

| 4 | 18-Feb-21 | Inputs to draft tehnical report on "Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications" | Shekhar singh <ad.iot-tec@gov.in> | ICT | TEC | Dear Sir,
As I see input are expected on "EU Cybersecurity Certification Framework", I have given some updates as below and if more needed please let us know: !!!!!!!!!!!!!
The European Union through its Regulation (EU) 2019/881 (Cybersecurity Act) has identified that certification plays a critical role in increasing trust and security in products and services that are crucial for the EU Digital Single Market . At the moment, a number of different security certification schemes for ICT products exist in the EU. In this context, the EU has proposed an EU Certification Framework for ICT security products services and processes. The proposed certification framework will provide EU-wide certification schemes as a comprehensive set of rules, technical requirements, standards and procedures. ENISA will work towards implementing this certification process. The resulting certificate framework does avoid multiple certification processes in different Member States and creates an incentive to certify the quality and verify the security of the products and services in question. The scheme is expected to have 3 levels – Basic, Substantial & Critical. ENISA is working on finalizing many certification schemes such as few following:

- "European Union Cybersecurity Certification Scheme for Cloud Services", which looks into the certification of the cybersecurity of cloud services.
- Common Criteria based European cybersecurity certification scheme (EUCC), which looks into the certification of the cybersecurity of ICT. | Email Query | Closed |

| 5 | 10-Feb-20 | Inputs to draft "National Blockchain Strategy" prepared by MEITY | Kaveri,Anitha <akaveri@theiet.in> | ICT | IET | Dear Anita,

Thanks for sharing this, we would like to submit below on Standards, which shall be included as part of recommendation:

- As blockchain standardization work is in progress, taking place at various global/regional standards bodies such as ISO TC 307, ETSI Industry Specification Group on Permissioned Distributed Ledger (ETSI ISG PDL) and interoperability is a key in National Level Blockchain Framework, Indian stakeholders shall work with BIS/TSDSI/TEC, participate in these relevant global/regional Technical Committees, contribute Indian requirements, study standards relevant to Indian context/strategy and decide on their adoption & implementation.

Regards,
Dinesh | Email Query | Closed |
| 6 | 10-Feb-20 | Dear Dinesh,

Good day and trust all is safe and well As you may be aware I am chairing TIFAC IoT Study group We are crafting a section around learnings and China and EU are major | Arvind Tiwary <arvind_t@sangennovate.com> | ICT | SangEnnovate | Dear Arvind Ji,

We have consolidated information around IoT/M2M in Europe which include AIOTI, LSP under Horizon 2020 ec. Hope this shall help addressing your requirements.

Regards, | Email Query | Closed |

| | | components.I am reaching out for help on EU

I want to have following inputs in a weeks time if possible

1 Size of market in 2019-2025 estimate and any breakdown
2 Examples of government aid (Finance, facilities) to move technology to Pilot to commercial (Small scale) and models for India
3 Examples of government assisted Large scale rollout
4 Some color on Horizon project
5 Any inputs on managing capability in administration /bureaucracy in a fast moving | | | | | | |
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		technology area by copting industry, academia or other institutions						
7	5-Feb-21	Provided update on the status of railway standardisation in India	COLLIGNON Bertrand <Bertrand.COL LIGNON@ec.e uropa.eu>	Railway	European Commission	Dear Bertrand, Please note below: - Railway Standardisation and its implementation as handled by Research Design and Standards Organisation (RDSO) and Ministry of Railway is still complex here as RDSO has no formal linkages or alignment with BIS hence I think no formal/informal engagement with ISO/IEC. While this situation may allow them to choose and implement any standards, the uniform implementation is a bigger issue. You can see this in my report consolidated earlier as available here. - I also don't think if any progress has been made by RDSO post our meeting in Nov'19. Because RDSO is a Govt./Ministry Driven Organization and not a member driven National Standards Organisation like BIS and is also not aligning it with BIS/ISO/IEC, direct engagement with RDSO is challenging. Honestly, I didn't follow-up with RDSO as I have been waiting for some action outcome from last meeting in Nov to align internally and kick off with some formally backed/supported activities with RDSO.	Email Query	Closed
8	14-Jan-21	Inputs on draft guidelines for Consumer IoT Security	Shekhar singh <ad.iot-tec@gov.in>	ICT	TEC	Dear Sir, Please consider incorporating following generic technical provisions around Data protection as part of guidelines for Consumer IoT Security:	Email Query	Open

							Data protection provisions for consumer IoT		
							Many Consumer IoT devices process personal data. It is expected that manufacturers provide features within consumer IoT devices that support the protection of such personal data. In addition, provisions of any federal laws and regulations whenever effective will also be applicable that relate to the protection of personal data in consumer IoT devices (for example DPA under formulation).		
							The provisions below intend to help manufacturers of consumer IoT devices provide a number of features for the protection of personal data from a strictly technical perspective. .		
							Provision 1: The manufacturer shall provide consumers with clear and transparent information about what personal data is processed, how it is being used, by whom, and for what purposes, for each device and service. This also applies to third parties that can be involved, including advertisers.		
							Provision 2: Where personal data is processed on the basis of consumers' consent, this consent shall be obtained in a valid way. Obtaining consent "in a valid way" normally involves giving consumers a free, obvious and explicit opt-in choice of whether their personal data can be used for a specified purpose.		
							Provision 3: Consumers who gave consent for the processing of their personal data shall have the capability to withdraw it at any time. Consumers expect to be able to preserve their privacy by configuring IoT device and		

| | | | | | | service functionality appropriately.

Provision 4: If telemetry data is collected from consumer IoT devices and services, the processing of personal data should be kept to the minimum necessary for the intended functionality.

Provision 5: If telemetry data is collected from consumer IoT devices and services, consumers shall be provided with information on what telemetry data is collected, how it is being used, by whom, and for what purposes.

Warm Regards ,
Dinesh Chand Sharma | | |