Annexure 2

Activity Tracker & Queries for the period of 'April-June 2021'

Quarterly Report No. 08

Sr. No.	Description	Total Until now	In Last quarter
1	External Meetings	257	44
2	Internal Meetings	63	03
3	Events/Seminar/Workshop/Roundtable	250	35
	Total	**570**	**82**
4	No of Queries	79	5

				SESEI-IV				
				Monthly Activity Update: April, May & June 2021				
Sr. No	**CAT**	**Date**	**Meetings/Events:**	**Subject:**	**Outcome:**	**What Next**	**Status**	**Sector**
1	M	01-06-2021	virtual meeting of TEC WG on Future Communication Technologies and use cases in IoT domain	Virtual meeting of WG on Future Communication Technologies & Use cases in IoT domain was held on 1st June, 2021, through remote participation using Microsoft Teams platform. This WG was formed around one and a half year back and this work is now on the verge of completion. Members have been meeting consistently and were appreciated for their continuous efforts and contributions in preparation as well as refinement of the draft document.	Mr. Sushil Kumar, DDG IoT, TEC chaired the meeting. It was informed that the draft document was discussed and refined in a number of short meetings between WG chairs and also with TEC members. However, there is still need to fill-in the existing gaps in the document, write recommendation section and also add some use cases on global deployment of C-V2X and Industry 4.0, if possible. The other changes / modifications and additions discussed during the meeting are (brief summary) - A short paragraph on inter-PLMN working and related diagram has been added in Sub-section 4.2.1.(Description). - Contribution sent by ARAI has been placed at the end of Sub-section 4.2.1.(Description), with minor edits. - Some points have been added under the heading 'Criteria for Potential Spectrum for Private networks in India' in Section 5 (Spectrum aspects for vertical industries). - Some clean-up and rearrangement of content has been done, with minor edits in Section 6 (Regulatory aspects for vertical industries), in order to align the content with NDCP 2018. -Section 8 (Status of networks and devices to address these vertical industries) may be deleted to avoid	Continue working with TEC on this subject and contributing/promoting EU work	Closed	ICT

					repetition of text in multiple sections. Decision to be taken later. - Ms. Monika Gupta mentioned that OPC UA foundation and 5G-ACIA have announced a collaboration to develop OPC UA over 5G. She also shared the links of their respective releases and suggested that this may be added in the section on Industrial IoT/ Industry 4.0. - Section 9 (Summary and Conclusion) may be written with the help of TEC through short meetings. DDG (IoT) opined to include recommendations for future, challenges expected in implementing these technologies, changes required in existing policies/ need of new policies related with spectrum or any other area, in this section. It has been agreed to keep heading of this section as 'Summary and Recommendations', having one-para for summary along with list of recommendations related with spectrum, regulatory and security aspects.			
2	M	02-06-2021	11th meeting of the LITD 13 Sectional Committee of BIS in joint session with mobile phone panel	BIS organized 11th meeting of Interconnection and Information exchange among IT equipment and Systems Sectional Committee, LITD 13 in joint session with 12th meeting of panel for mobile phone LITD 13/ P1	**Agenda of the meeting was as below:** **Item 0:** Welcome and Introductory remarks **Item 1:** Confirmation of the minutes of previous meeting **Item 2:** Composition of sectional committee/panel **Item 3:** Presentation on scope and technical work of the committee **Item 4**: Review/reaffirmation of published Indian Standards **Item 5: International activities** **Item 6**: Any other business SESEI expert participate in this meeting for Mobile Phone related standards and contribute work done in	Continue working with this sectional committee of BIS	Closed	Electrical Equipments including Consumer Electronics

					EUROPE and also align it from CRO/CRS point of view as well			
3	E	03-06-2021	Open RAN India 2021 Virtual Conference organised by BE	Bharat Exhibitions launched the 1st edition of Open RAN India 2021 Virtual Conference scheduled on 3rd June 2021	The telecom industry is now looking forward to accelerate their 5G deployments with new and more cost-effective ways of deploying and managing the networks quickly. This is where the concept of an open and virtualized mobile infrastructure, Open Radio Access Networks (Open RAN) becomes critical. Open RAN makes up the majority of the network cost and enables telecom service providers to diversify supply chains, bring in extraordinary levels of interoperability and agility to help reduce their capex drastically. Indian Telcos are eyeing Open RAN as a viable method to cut network-related costs and bring in more customizations as they upgrade their networks to 5G technology. The main sessions at the conference were 1. The Impact of Open RAN on the Telecoms Ecosystem 2. Open RAN Infrastructure & Future Business Model 3. Role of Open Source in 5G Deployments The conference also saw many speakers from TSDSI and Dr. Inder Gopal, Co-Chair, TSDSI Open Initiatives Task Force (IISc Bangalore) chairing the technical session. SESEI participated to take a download on this new activity initiative and to check on its progress and appraised stakeholders on it.	N/A	Closed	ICT
4	I	03-06-2021	Steering Committee Meeting No SC#4 , Part 2	Steering Committee Meeting No. SC#4 of the Project SESEI was held virtually on 12th March 2021. Due to paucity of time it was agreed to have another meeting to	Following items were discussed during the call: Updates from Partners on other relevant India-related initiatives/activities • CEN/CENELEC Priority India • EU-India ICT Project • InDiCo – ICT Standardisation Exchange between the Partners and SESEI: • review of project priorities and possible adjustments	N/A	Closed	Generic

				discuss the remaining items	• 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 SESEI Survey list of questionnaire and draft survey form was reviewed, discussed and approved during the call.			
6	E	08-06-2021	Virtual Conference on PLI Scheme in Telecom Sector	A Virtual Conference on PLI in Telecom was jointly organised by TEMA, TEPC, PHD, ITU APT, CMAI, supported by Invest India.	Government of India has approved the Production-Linked Incentive (PLI) scheme for the telecom sector with an outlay of Rs. 12,195 crores over five years. This Scheme is for domestic manufacturing of telecom and networking products such as switches, routers, 4G/5G radio access network, wireless equipment and other internet of things (IoT) access devices. It is operational from 1st April, 2021. To discuss the PLI scheme, a virtual conference on PLI in Telecom was jointly organised by TEMA, TEPC, PHD, ITU APT, CMAI, supported by Invest India. Agenda of the conference was as below: 1. Opening welcome by Prof NK Goyal, Chairman Emeritus, TEMA 2. Opening address by Sh Sandeep Aggarwal, Chairman TEPC 3. Inaugural Address by AST, DOT 4. Presentation by DOT 5. Open Interaction 6. Closing remarks by JST, DOT 7. Vote of thanks SESEI participated in this virtual conference to understand the scheme and its benefits as it is linked	N/A	Closed	ICT

					with topic of domestic manufacturing and possible Market access issue			
7	E	08-06-2021	Webinar on "Integrated rail data management: emerging trends for unpredictable times" by International Railway Summit	A live webinar organised with leading rail operators, infrastructure owners and digitalisation experts Smart Motors on adopting the technologies and strategies to gain maximum benefit from available data. The debate was chaired by PwC's rail and road leader, Paolo Guglielminetti.	About COVID-19 has accelerated innovation with new problems requiring new solutions. The unpredictable nature of the pandemic has meant that the rail sector can no longer rely on precedence to predict passenger behaviour, freight demands, employee shift patterns and maintenance requirements. Interdepartmental and real-time data management will be crucial for any rail operator to survive the continuing uncertainty. This webinar aimed at raising awareness of these opportunities and challenges, and present real success stories of organisations who have thrived through the big data explosion. How can rail better gather, visualise and integrate information and streamline communication between departments?	N/A	Closed	Mobility
8	M	09-06-2021	Meeting of the BIS LITD 28/P9 IoT Systems RA Panel	BIS has constituted a panel on IoT reference architecture (LITD/28 P9).	SESEI is a member of this panel of BIS and participates regularly in the meetings to contribute. during the meeting, panel reviewed the working draft of IoT RA. This draft is based and built on oneM2M specification, which is promoted and supported by SESEI for its development. Members were further requested to actively contribute to the development of the Standard.	Continue working with WG and contribute EU Work in it	Open	ICT
9	E	09-06-2021	The Digital Dialogues on 'Atmanirbharta in Telecom Manufacturing' by BIF	The Digital Dialogues on the important subject of 'Atmanirbharta in Telecom Manufacturing', was held 9th June 2021, in partnership with BIF and IET India Future Tech	The Atmanirbhar Bharat mission aspires to increase investments, generate employment, add domestic value, build capacity and above all, innovate to make India self-sufficient in manufacturing. As part of this mission, the INR 12,195 crore PLI scheme for telecom and networking equipment aims to propel the nation's prowess in developing into a global production and	N/A	Closed	ICT

				Panel. During the webinar BIF also released a White Paper.	supply hub, by leveraging our resources optimally. This would boost the local network gear production industry, attract the components sector and allied industries, while also improving exports at a time when India is gearing up for 5G. Our local economy can flourish with a synchronized growth trajectory with the global economy. This session aims to delve on several policy and regulatory actions that may be undertaken to strengthen and optimize the mission's goals, which will lead to overall growth in the economy.			
1 0	M	10-06-2021	TEC: Virtual meeting for "Finalizing IoT / ICT standards for Smart cities"	A meeting of the committee formed for "Finalizing IoT/ ICT standards for Smart Cities" was held on 10th June 2021	Mr. Sushil Kumar, DDG (IoT) welcomed all the participants in the meeting and said that this document is already having a lot of content, refinement is needed for its finalization and in the last meeting, some of the recommendations were discussed. TEC is in the process of refining the document through internal meetings as well as through short meetings with related members. While briefing about the structure of the document and modifications done after the previous meeting, he mentioned that: a. Members may nominate their names for the position of vice-chair and rapporteur or we may leave those positions as vacant. b. Some sub-sections in Section 5.7 (Sectoral Analysis) needs refinement. c. Section 4.7 (Standardization activities in different SDOs) has been updated by adding a new sub-section on 'Joint Smart Cities	Continue working with this committee of TEC and contributing and promoting EU work on this subject	Closed	ICT

					taskforce', jointly created by ITU, ISO and IEC.			
					d. Small para on NGSI-LD may be added by Mr. Sharad Arora, Sensorise in Section 5.6 (Platform).			
					e. Section 5.7.1 (Energy) may be reviewed by Ms. Parul, ISGF and Mr. Sharad Arora jointly, studies on NB-IoT based deployments/ trials in Smart Metering segment by NSGM and standards of BIS and CEA may be added.			
					f. Section 5.7.1 (Energy) may be updated by Mr. Manvendra Singh, SenRa and Mr. Muralidhar, Semtech by adding content on the LoRaWAN based deployments/ trials in Smart Metering segment.			
					g. Section 5.7.2 CCTV based real time safety system (City Surveillance) may be reviewed by Dr. K. J. Singh and Mr. Sharad Arora. Dr. K. J. Singh, Tejas Networks suggested to replace '36X Zoom' by 'high zoom' to make the requirement more generic and same was agreed.			
					h. Mr. Manvendra Singh, SenRa may provide reference for the figure available in Section 5.7.4 (Water Management).l. Some content has been added in Section 5.8 (National requirements like human safety, environment, geographical/ climatic conditions, national security etc.). It will be further updated. Members may review this section and suggest addition/ deletion.			
					I. ITU has released one document titled 'ITU Smart			

					Sustainable Cities' in March 2021. Important points and standards mentioned in this document have been incorporated suitably in our draft document. n. Recommendation related with platform, available in point no. 1 of Section 6.2 has been refined. o. Section 6 (Recommendations) needs further refinement. Dr. K. J. Singh may review point no. 19, 20 and 21 of the recommendation table, related with communication networks for Smart Cities. J. List of GRs, IRs, ERs and Standards (SD) released by TEC, available in Annexure5, has been updated as per Smart city requirements.			
1 1	E	10-06-2021	Webinar on Italy and India, Partners in Sustainability and Multilateralism	Ananta Aspen centre organised a webinar on 'Italy and India, Partners in Sustainability and Multilateralism'	The webinar was addressed by Ambassador of Italy to India H.E. Mr Vincenzo De Luca's and Ambassador Anil Wadhwa, Former Secretary, Ministry of External Affairs, Government of India and Former Indian Ambassador to Italy. The main aim of the session was to explore the potential complementarities and hearing from the Ambassador about his views on the path ahead. These address from the ambassadors was in context of the close ties between India and Italy and the significant progress made between the two countries. Both countries signed a Joint Declaration and Plan of Action to prioritise areas of cooperation and strategic goals for the period 2020-2025. Both sides agreed to strengthen cooperation against common global challenges, including the coronavirus pandemic, and coordinate	N/A	Closed	Generic

					closely at the multilateral level including the G-20 for which Italy is the current chair. India and Italy agreed to work together on a sustainable and inclusive post Covid-19 recovery, finding solution to the climate crisis and identifying new areas of economic partnership.			
1 2	E	10-06-2021	IEEE Webinar on the "Smart Grid Case Studies using Communication Systems"	Webinar on "Smart Grid Case Studies Using Communication Systems-Based on IEEE 1901 High-Speed Powerline Communication" was organized by IEEE Standards Association	HD-PLC Alliance endeavours to create a full-fledged universal network society with a focus on consumer electronics and business applications. In this effort, the Alliance has positioned Power Line Communication (PLC) as a central communication vehicle and is working to promote the spread of the HD-PLC format technology in particular. This high-speed powerline technology is ably supported by IEEE 1901™ Standards and is being adopted in several projects across the world. This webinar was organized to bring together various stakeholders from industries, utilities, and academia who look to leverage high-speed PLC as a core technology and to present them the HD-PLC ecosystem where communication compatibility assures "safe" and "easy" connectivity among HD-PLC networking devices. Discussion topics were as below: - overview of HD-PLC alliance - Smart Grid - Smart metering - HD-PLC technology and standards	N/A	Closed	Electrical Equipments including Consumer Electronics
1 3	M	11-06-2021	Virtual meeting of the TEC Working Group (WG) on "Security by design Principles in M2M	virtual meeting was held to discuss the "Draft Guidelines / Code of Practice for Securing	In the meeting Chairman highlighted about the: - meeting held with the subject matter expert from ETSI, UK DCMS/NCSC (arranged by Ms. Sonia Compans and Mr. Dinesh Sharma). -In the meeting detailed discussions were held with the	Continue working with this WG of TEC	Closed	ICT

			device manufacturing and National Trust Center for certification of M2M devices and applications"	Consumer Internet of Things (IoT)".	above experts on the comments received from ETSI and overall structure of the " Draft Guidelines / Code of Practice for Securing Consumer Internet of Things (IoT)". Suggestions given by participants have been incorporated in track-change mode. - AD(IoT) presented the draft document along with the comments received. All the relevant comments were discussed in detail. - After detailed deliberations, changes were made in the track-change mode in the draft guidelines. - All the comments sent by Ms. Sonia Compans could not be discussed due to the limitation of time. It was agreed to discuss the remaining comments in the next meeting			
14	M	14-06-2021	Meeting No. 22 of the BIS LITD 28 Smart Infrastructure Sectional committee	22nd Meeting of Smart Infrastructure Sectional Committee, LITD 28 was organized by BIS	**Agenda of the meeting was as below:** ITEM 1: WELCOME AND OPENING REMARKS ITEM 2: FORMAL CONFIRMATION OF THE MINUTES OF THE LAST MEETING ITEM 3: DRAFT INDIAN STANDARDS FOR FINALIZATION - LITD 28 17203 UDI Data Layer Reference Architecture - LITD 28 17249 Unified Data Exchange Part 2 API specifications - LITD 28 17250 Smart Cities- GIS Reference Architecture - LITD 28 17283 Municipal Governance - Reference Architecture - LITD 28 17277 Municipal Governance Property Tax Taxonomy - LITD 28 17304 IoT Reference Architecture ITEM 4: STATUS UPDATE FROM PANELS AND STUDY GROUPs ITEM 5: WORK ON "CITY DOMAIN STANDARDS"	Continue working with BIS on this subject and wherever possible align the work with Global/European Standards	Closed	ICT

1 5	E	14-06-2021	Fact-Finding Mission "Charging infrastructure for e-mobility", India, Organised by Indo-German Chambers of Commerce	On the first day of the 4-day programme focused conference was held on "E-mobility: Charging infrastructure for e-mobility"	The main discussions and technical sessions were held on topics: - German charging infrastructure – Where do we go? - Hydrogen infrastructure - Overview: Battery technologies - Battery changing systems for transportation	N/A	Closed	Mobility
1 6	M	14-06-2021	TEC : Discussion on inputs from ETSI on Draft Guidelines / Code of Practice for Securing Consumer Internet of Things (IoT)	TEC ha approached ETSI to seek their support and cooperation on issues related drafting Guidelines / Code of Practice for Securing Consumer Internet of Things (IoT)	Ms. Sonia Compans, ETSI Technical Officer, along with TC Cyber experts and SESEI provided comments on the draft guidelines / Code of Practice for Securing Consumer Internet of Things (IoT). The comments and suggestions received from ETSI were circulated to the members for further discussion and comments. Post receiving comments from the members, another meeting with ETSI & SESEI was arranged by TEC and its members for seeking clarification and information on the IoT security related issues.	Continue working with TEC on draft guidelines / Code of Practice for Securing Consumer Internet of Things (IoT) and provide inputs/suggestions	Closed	ICT
1 7	I	15-06-2021	Project India Meeting No. 12 hosted by CENCENELEC	Regular Meeting to review the WG activities and action items	Following items were discussed during the call: Updates from Partners on other relevant India-related initiatives/activities • CEN/CENELEC Priority India • EU-India ICT Project • InDiCo – ICT Standardisation 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
1 8	E	15-06-2021	Fact-Finding Mission "Charging	Project Presentation I: Current scientific	Day 2 of the fact finding conference focused on Current scientific developments & applications	N/A	Closed	Mobility

			infrastructure for e-mobility", India, Organised by Indo-German Chambers of Commerce	developments & applications	Dr. Christian Spalthoff, Fraunhofer IEE presented overview of the research project **"Charging Infrastructure 2.0".** In this project energy suppliers, charging technology manufacturers and scientists jointly develop integrated solutions best suited for the economy as a whole **Charging system technology by Manuela Schaller, Pracht Licht GmbH** PRACHT stands for enthusiasm for innovative technologies that bring sustainable change. They offer charging point technology charging point technology with their product 'Wallbox Alpha' with two 'Type-2' charging plugs and intelligent load management systems.			
1 9	M	16-06-2021	Meeting of the BIS SSD-II 10: P3, Third Panel of Electronic Consent Management	Third Meeting of Electronic Consent Management Panel 3, SSD 10/P-3 was convened by SESEI	At the outset, the Member Secretary welcomed all the members for attending the Third panel meeting of Electronic Consent Management, SSD 10/P-3. **Agenda of the meeting was as below:** Item 1 Confirmation of the Minutes of the Previous Meeting. Item 2 Review of Composition of Panel, SSD 10/P - 3 Item 3 Discussion on the task assigned to the panel, SSD 10/P - 3. Item 4 Any other Business	Continue working with this panel SSD 10/P-3 as a convenor and promote EU work	Closed	Services
2 0	M	17-06-2021	Meeting of the BIS -LITD 35/P1 Meeting 1 Accessibility standard for ICT products and services	Meeting to discuss the draft standard based on EN 301 549	Meeting was held to review the draft Indian standards developed based on EN 301 549. Following agenda items were discussed during the call: ITEM 1 WELCOME AND OPENING REMARKS ITEM 2 LITD 35/P1 PANEL BACKGROUND ITEM 3 REQUEST FROM MEITY FOR DEVELOPING ICT ACCESSIBILITY STANDARDS	Identical or technically equivalent adoption of EN 301 549	Open	ICT

					During the meeting post presentation of Draft Standard, SESEI expert highlighted following points (As recorded in the MoM)			
					i. Mr. Dinesh Chand Sharma, SESEI highlighted the below points for the adoption of EN 301 549v3.1.1 as Indian Standard.			
					• The draft standard once reached the stage of wide circulation shall be kept in a format with all desired changes highlighted so that it is easy for taking up discussion with European Standards Organizations involved in its development. It will help in taking up for its necessary approval and comments if any. Summary prepared for the same is very well drafted in support of this.			
					• There are three standards organization involved in the formulation and approval of this EN 301 549 Standards, namely, ETSI, CEN and CENELEC and the MoUs is pending for closure with BIS.			
					• It would be of immense help if the MoU between BIS and ETSI+ can be expedited. While MoU is in the process, we will try seeking an approval for this standard in parallel based on T&C of the MoU.			
					• It will be helpful if the text of this standard retains those of EN and WCAG maximally in an "As-Is" manner to enable faster approval. W3C MoU with ETSI is also a criterion for this standard development hence keeping text "As-Is" will help.			
					• It would also be better to keep all the applicable ACT, legislations including National Digital Communication (NDCP) policy in the Indian reference section preferably as an Annexure like it is done in EN.			
					Overall, he proposed the Panel to prepare a stable draft of the standard, highlighting the sections of Indian			

					context where changes have been incorporated. It will enable him to take necessary approvals faster.			
2 1	E	17-06-2021	Embedded Safety & Security Summit 2021 - Virtual Conference organised by LDRA Technology Pvt. Ltd	The Embedded Safety and Security Summit (ESSS) aims to evolve the global embedded industry ecosystem. ESSS 2021 was held on June 17, 2021 as a virtual conference. Focusing on the changing industry scenarios and the need to address safety and security practices in the futuristic embedded system, the theme for this edition is – Empowering the Development of Safe & Secure Embedded Systems' and comes with four technical tracks.

Track 1: Aerospace & Defence
Track 2: Automotive
Track 3: Industrial
Track 4: Medical | Focusing on the safety and security aspects of critical embedded system, Embedded Safety & Security Summit (ESSS) is an exclusive arena for the whole embedded community to learn, interact and nurture. This was the sixth edition of this successful initiative driven by LDRA with support from partners, clients, industry & professional bodies and government agencies.

The 6th edition of ESSS (#ESSS21Virtual) brought together embedded technology enthusiasts, industry thought leaders and regulators from around the world. It presented a platform to discuss emerging trends, best practices, deep dive technical details, and practical examples to empower the development of safe and secure embedded systems. | N/A | Closed | ICT |
| 2 2 | E | 17.06.2021 | Fact-Finding Mission: "Storage solutions and Charging | Indo-German Chamber of Commerce organized a (virtual)Fact-finding mission on the topic E-mobility | Technologies presentation: Battery 2.0
1. Li-Ion Batteries by BMZ Group: Overview of developing the lithium-ion battery together with the customer and its own development team of over 150 people - from prototype construction to the planning | N/A | Closed | Mobility |

			infrastructure for e-mobility" Day 4		and implementation of efficient series production. 2. Fuel Cells in action by Matteo Schmid, Proton Motor Fuel Cell GmbH 3. Battery Control Systems by Nicolas Rau, Twaice GmbH SESEI team attended this event to gain knowledge on Storage solutions and Charging infrastructure for e-mobility.		
2 3	E	18-06-2021	Virtual Workshop No.2 on 'Advanced Digital Communication Technologies Toolkit for India' Project-An initiative of the European Union and NITI AAYOG	The Delegation of the European Union to India and NITI Aayog jointly organised a virtual Workshop on Advanced Digital Communication Technologies Toolkit for India' Project	Mr. Neeraj Sinha, Senior Advisor, NITI Aayog and Mr. Benoit Sauveroche, First Counsellor – ICT, Delegation of the European Union to India gave the opening Address at the workshop. Post the opening address focused session on Satellite Communication, Data Protection, Training & Education was held.	N/A	Closed	ICT
2 4	M	18-06-2021	8th meeting of Electrical Energy Storage Systems Sectional Committee, ETD 52	BIS organized 8th meeting of Electrical Energy Storage Systems Sectional Committee, ETD 52	The main agenda for the meeting was as under 1. Composition of the sectional committee - list of new members to be invited to the panel, request for co-option was discussed and approved. 2. New Work Item Proposals a) During the last sectional committee meeting, Dr Rashi Gupta made presentation on two new subjects as follows to formulate Indian Standards on the same: a) Extending Battery Management standard to Li-ion batteries with different chemistries. b) Repurposed batteries – safety and performance requirements The committee requested Shri Rahul Patil to share the specification of some batteries with BIS.	Continue working with this sectional committee of BIS and promote EU work	Closed	Electrical Equipments including Consumer Electronics

| | | | | | On repurposed batteries, Shri V Manjunath, UL informed the committee regarding standard published by UL on repurposed batteries i.e. UL 1974. (Presentation by Ms Laurie Florence, UL on UL 1974)

b) **Flow Batteries- Chairman** proposed subject 'Flow Batteries' to formulate Indian Standard on the same.

Shri Dinesh Chand Sharma, Director – Standards & Public Policy (SESEI) informed BIS the following EN standards on flow batteries:
EN IEC 62932-1:2020- Flow battery energy systems for stationary applications - Part 1: Terminology and general aspects
EN IEC 62932-2-1:2020- Flow battery energy systems for stationary applications - Part 2-1: Performance general requirements and test methods
EN IEC 62932-2-2:2020- Flow battery energy systems for stationary applications - Part 2-2: Safety requirements
He also informed the following standards under development:
1 EN 50604-1:2016/prAA:2019 (pr=65424) Secondary lithium batteries for light EV (electric vehicle) applications - Part 1: General safety requirements and test methods
2 EN 62133-2:2017/prA1:2020 (pr=71032) Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary lithium cells, and for batteries made from them, for use in portable applications - Part 2: Lithium systems
3 prEN 62485-5:2019 (pr=63703) Safety requirements | | | |

					for secondary batteries and battery installations - Part 5: Safe operation of stationary lithium-ion batteries 4 prEN 62485-6:2019 (pr=63702) Safety requirements for secondary batteries and battery installations - Part 5: Safe operation of lithium-ion batteries in traction applications 5 prEN IEC 62619:2020 (pr=68538) Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications 6 prEN IEC 62660-3 (pr=72205) Secondary lithium-ion cells for the propulsion of electric road vehicles - Part 3: Safety requirements The committee may consider. **Item 7** INTERNATIONAL ACTIVITIES 7.1 Harmonization of Standards 7.1.1 Based on development at International level, the committee may consider to identify new subjects for formulation of Indian Standards.			
2 5	M	18-06-2021	Fourth Sectional Committee Meeting of the BIS SSD-II 10 on IT and IT Enabled Services	Fourth meeting of Tech-Committee: SSD-II 10 Sectional Committee of BIS was held on 18th June 2021	Agenda of the meeting was as below: **Item 0:** WELCOME : Opening remarks by the Member Secretary & Chairman. **Item 1:** CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING. I**tem 2:** REVIEW OF SCOPE AND COMPOSITION OF SSD 10. **Item 3:** ACTION POINTS ARISING OUT OF PREVIOUS MEETING. **Item 4:** PROGRESS OF WORK ASSIGNED TO PANELS (SSD 10/P-3) and STUDY GROUP **Item 5:** Status of Finalized Draft Standards.	Continue working with BIS on this subject as a convenor of this panel and promote EU work around this topic	Servic es	Closed

					- SSD – II 10 (16381) ISO 18295 – 1 : 2017: Customer Contact Centres - Part 1 Requirements for Customer Contact Centres - SSD – II 10 (16382) ISO 18295 – 2 : 2017 Customer Contact Centres - Part 2 Requirements for Clients using the services of Customer Contact Centres **Item 6** Adoption of ISO Standards on Cloud Computing **ANY OTHER BUSINES**S			
2 6	E	18-06-2021	The Broadband India Forum hosted the Digital Dialogues on occasion of World Wi-Fi Day	BIF organised a session of The Digital Dialogues in celebration of the World Wi-Fi Day, on 18th June 2021. An initiative of the Wireless Broadband Alliance (WBA), World Wi-Fi Day is a global annual event to recognize and celebrate the significant role of Wi-Fi in getting cities and communities around the world connected, and champions the cause of developing exciting and innovative solutions to help bridge the digital divide.	The session delved on the immense opportunities for Wi-Fi Service and how proliferating its access is in the interest of the people of India, especially with the present scenario demanding high quality data connectivity for continued and evolving business and social requirements, and the accentuated consumption of video content across both urban and rural India. The Government's introduction of the historic PM WANI Public Wi-Fi Policy, and the emergence of the next-gen Wi-Fi 6/6E will further add to its impetus, and would lead to delivering 'Broadband for All', while also helping realise our 'Digital India' aspirations and the National Mission of 'Atmanirbhar Bharat'. The session was supported by: IEEE - Knowledge Partner, TSDSI - Standards Partner, Wi-Fi Alliance and WBA, with BE as Event Partner.	N/A	Closed	ICT
2 7	M	21-06-2021 and 22-06-2021	37th GISFI (GSSM)standardiza tion series meeting:	The Overall Objective of the Symposium 7 -In- 1 is to open discussions on innovation and its commercialization	SESEI was one of the speakers at the technology session. SESEI in his presentation on the Smart Body Area Network – Standardization and AI", provided details of the work being carried out by ETSI , CEN CENELEC on the Smart Body Area Network.	N/A	Closed	ICT

			International Symposium 7-IN-1	through a strong partnership between industries and academia as well as on modern practices and methodologies in cross-/multi-/interdisciplinary areas such as social science, technology, Business Canvas and so on. The novel, innovative solutions for the inherited and current problems will be examined to have a discrete system of work to be followed.				
2 8	M	21-06-2021	Periodic Meeting with India EU ICT Project to take stock of the project activities	Meeting to have a brainstorming session on Project Activities	Meeting was held between Project team of INDIA-EU ICT Project, EU delegation officers and SESEI to brainstorm on Project Activities through following agenda items: 1. Structure of the operational meeting 2. General Updates 3. Overview of the proposals received from TSDSI 4. Review of the Project activities SESEI provided its input and insight on items of common interest and technical synergy	Continue Supporting the project for Technical Synergy	Closed	ICT
2 9	E	22-06-2021	Transport and Climate Change (TCC) Week 2021 of the Deutsche Gesellschaft für Internationale Zusammenarbeit	The Transport and Climate Change Week is an annual event organized by GIZ on behalf of the German Federal Ministry for the Environment, Nature	The objective of the webinar was to discuss and share valuable experiences and expertise for leveraging the benefits of digital tools and knowledge collaboration to advance sustainable mobility. As green mobility has emerged as the best approach for promoting sustainable transportation, the webinar aimed to bring together experts to discuss the impact of knowledge	N/A	Closed	Mobility

| | | | (GIZ) observes from 21 – 25 June 2021.

From NDC-TIA India component, GIZ organized two events **"Driving Green Mobility through Knowledge Sharing Platforms"** | Conservation and Nuclear Safety. In 2021, it took place as a hybrid conference with a studio in Berlin, decentralized event locations in Asia, Africa, Europe and Latin America and with virtual participants. It is primarily aimed at transport policy makers and experts from our global partner countries and has the motto "Smart and Green Recovery in the Transport Sector". | sharing and exchange to augment green mobility.

The webinar began with the Welcome Address followed by Special Address. The presentation on Role of Digital Library on Green Mobility and Other Online Transport Platforms to explore the highlights of DLGM and users' feedback. The session also presented key features of select online green mobility platforms. Thereafter, the Panel
Discussion will focus on Leveraging Benefits through Knowledge Sharing for Sustainable Transportation.
 Webinar details are available here:
https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fgreenmobility-library.org%2Fpublic%2Findex.php%2Fsingle-resource%2FODNlUGhjZGxQNTNvL0N3VFlUN1BPdz09&data=04%7C01%7Cshweta.kalia%40giz.de%7C5166200279a141488d8c08d93f8a2720%7C5bbab28cdef3460488225e707da8dba8%7C0%7C0%7C637610684865401923%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=0CkOvmLoAi1b1z6WkX86N92DWewHr7bu59eCwScKuug%3D&reserved=0

https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fgreenmobility-library.org%2Fpublic%2Findex.php%2Fsingle-resource%2FZFpRdGZwWE9QY3kwd05TaDFGSnhkZz09&data=04%7C01%7Cshweta.kalia%40giz.de%7C5166200279a141488d8c08d93f8a2720%7C5bbab28cdef3460488225e707da8dba8%7C0%7C0%7C637610684865411883%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0% | | | |

					3D%7C1000&sdata=7Gf7qhG3AtYdOajCFAdOVeicPf5h9 adUEJFsS7%2Bz5YI%3D&reserved=0			
3 0	M	22-06-2021	Speaker's Meet organised by IET-Future Tech Panel for the Digital Dialogue series on 5G and beyond – Use Cases for mobile connectivity	5G and beyond – Use Cases for mobile connectivity, webinar was held on 25th June 2021. The webinar was supported by Project InDiCo.	The webinar was supported by Project InDiCo and SESEI as the Chair of the Standards Legal & Regulatory Working Group chaired and moderated the entire webinar. In this regard a pre-session between the Chair and the speakers was organised to discuss the flow of the event suggested topics and proposed focus of the session.	Successful organization of webinar	Closed	ICT
3 1	E	22-06-2021	Webinar "Capgemini's 5G Lab in Mumbai - Your Gateway to Intelligent Industry".	On the occasion of launch of their 5G Lab in Mumbai, Capgemini, organised a webinar on "Capgemini's 5G Lab in Mumbai - Your Gateway to Intelligent Industry".	In the webinar it was discussed how Capgemini labs can address the needs of intelligent industry through 5G and Edge solutions. Their 5G Labs are Centres of Excellence and R&I (Research & Innovation) that help in achieving customer's future business ambitions through 5G, leveraging the latest technology solutions and exploring the newest use cases. The 5G Lab in Mumbai will be the gateway to innovation and work in developing 5G and Edge use cases for the industries. The webinar provided a clear understanding of the benefits of 5G & Edge and see how it can be leveraged to transform customer's business.	N/A	Closed	ICT
3 2	E	24-06-2021	"EV charging infrastructure and its Grid integration in Indian EV ecosystem"	"EV charging infrastructure and its Grid integration in Indian EV ecosystem" organized by GIZ and IIT Bombay as a part of Transport and Climate Change Week 2021 of the Deutsche	The objective of the webinar was to disseminate the EV charging landscape and its grid integration in Global as well as Indian scenario and discuss the potential key directions for seamless adoption of EV charging in Indian EV ecosystem. The webinar was divided into three main sessions, introductory session, presentation session, and panel discussion. The presentation session included four key presentations focussing on various	N/A	Closed	Mobility

				Gesellschaft für Internationale Zusammenarbeit (GIZ)	aspects of EV charging infrastructure and its grid integration. The panel discussion focused on way forward for EV charging adoption in Indian EV ecosystem. - Welcome Address was by Prof. Rangan Banerjee, HoD, Department of Energy Science and Engineering, IIT Bombay - Key Note Address was by Mr. Madhav Sharma, Policy consultant, NITI Aayog The key presentations / focus/highlighted topics were: - EV charging infrastructure-Global experience by : Prof. Pablo Frias (IIT Comillas, Spain) - International experience on EV Integration by Prof. Quwei (DTU, Denmark) - EV policy regulations and charging infrastructure in India by Ms. Swetha Bagwat (FSR-Global) - EV integration and gap analysis in Indian EV ecosystem by Prof. Zakir H. Rather (IIT Bombay)			
3 3	E	24-06-2021	55th CEN and 61st CENELEC General Assemblies 11th Common Session	SESEI was invited to participate in the 11th Common Session of the CEN CENELEC General Assemblies	Following agenda items were discussed during the meeting. SESEI and SESEC project renewal and MoU with BIS was also discussed during the meeting. - Approval of the Minutes of the 10th Common Session of CEN AG and CENELEC AG of 26 November 2020 – for DECISION - Follow-up actions taken during previous AGs meetings – for INFORMATION - PC chair report (including PC conclusions and JPG matters since the last AG) Common changes introduced in the CEN and CENELEC Statutes ü Brexit impact on CEN and CENELEC	N/A		Closed	Generic

					ü Changes due to the legal requirements (BCC), inconsistencies and gaps and governance decisions Indicative voting of the Heads of Delegation Strategy 2030 - for DECISION - Implementation Plan - Membership Relations & Monitoring Committee (MRMC) - Recommendations from the Industry Advisory Forum - Chair report - Reports - Vice-Presidents Policy - Vice-Presidents Technical, Including reporting on decisions of the CEN and CENELEC Technical Boards - DG on Operational matters			
3 4	E	24-06-2021	Invitation to the stakeholder convening on understanding investment, trade, and battery waste management linkages for a globally competitive Electric Vehicle (EV) manufacturing sector (ICRIER)	ICRIER organized a stakeholder convening event towards developing an understanding of the battery manufacturing and recycling ecosystem in India.	The discussion focused on understanding the nuances of Lithium-Ion battery manufacturing and waste management in India. Sessions deliberated on trade, investment, and skill gaps that constrain greater EV-diffusion and also explore the possibilities of developing India as a global "Battery Recycling Hub". The transportation sector is a significant contributor to air pollution globally. The Government of India has given a policy push for accelerated and sustained growth of electrification of automobiles. The cumulative EV sales in all vehicle segments will pass 100 million units by 2030. Various estimates put the number between 3.75 to 5 million tonnes for the amount of Lithium-ion battery waste that will be produced by the year 2030. Thus, the convening was aimed at discussing the current practices of end of life battery recycling,	N/A	Closed	Mobility

| | | | | | emerging technologies for recycling batteries of various cell chemistries and policy support needed for this sector in India. Sessions also cover the trade and investments aspects of EV value chains as well as skill gaps that exist.

The sessions aimed to shed light on the following critical questions.
1. What are the bottlenecks in manufacturing more EVs in India? In what aspects is the skilling of the workforce needed for increasing the production of EVs in India?
2. How are new policies like PLIs affecting EV manufacturing, trade and investment? Is there any anecdotal evidence on their effects? What would be the policy push needed to nurture this nascent industry?
3. Are there specific EV segments that the government prioritises for investment (e.g., 2/3-wheeler or buses)? What fiscal policies are being pursued to support EV investment (rebates, tax incentives etc.)?
4. What are the most prominent companies expected to invest in the EV space in India? What are the main constraints to investment in EVs in India, and what key planned policies (including targets, regulations, and incentives) are expected to be attractive for investors? What is the timeline of their adoption and/or implementation?
5. Given the climate-change benefits associated with EM, has the Covid-19-crisis been a wake-up call for facilitating more rapid deployment of EVs?
6. A lack of standardisation in the design of lithium-ion batteries makes the recycling process difficult, which could be some of the ameliorative steps to overcome the existing barrier? | | | |

					7. There is a lack of clarity and implementation lacunae in the current framework of Extended Producers Responsibility; how to overcome the same?			
3 5	E	25-06-2021	Webinar on India's Digital Transformation to Drive Post Covid Economy	The Telecom Committee of PHDCCI organised a Webinar on India's Digital Transformation to Drive Post Covid Economy	At the webinar organised by PHDCCI, Ms. Anita Praveen (IAS), Additional Secretary-Telecom, Department of Telecommunications, Ministry of Communications, Government of India was the Chief Guest . The other eminent panellists were: - Mr. Arun Karna, MD & CEO, AT&T Global Network Services India Private Ltd - Mr. Ajit Pai, Distinguished Expert, NITI Aayog - Mr. Deepak Chanduka, Deputy Director General (Special Projects), Department of Telecommunications, Government of India - Mr. Amit Malik, Managing Director- Asia Pacific, Japan & China, CISCO Systems India Pvt Ltd	N/A	Closed	ICT
3 6	E	25-06-2021	IET Future Tech Panel Digital Conversations on 5G and beyond - Use cases for mobile connectivity	"5G and Beyond - Use cases for Mobile Connectivity" was organised by European Project Indico in coordination with IET India. SESEI being chairman of the Standards Legal & Regulatory Working Group chaired this Webinar	This 38th episode of the IET India Digital Conversations Webinar is supported by ETSI on behalf of Project Indico (The International Digital Cooperation - ICT Standardization) and TSDSI. 5G is starting or set to be rolled out soon in India with may trials put in place already. As is the case in many regions - including Europe - the stakes are immense when it comes to the adoption of 5G by industry sectors and for the provision of (public or private) services such as education, health, e-government, etc. The success of these "verticals" or sector-specific applications will not only determine the return on the investment, which telecom operators will make in 5G, but more importantly, create value through the development of various services by leveraging the full	N/A	Closed	ICT

					potential of this ground-breaking technology. "5G Verticals" as we will call these applications, will thus drive the benefits brought by 5G to the society at large (economic development, innovation, new business models, well-being, inclusiveness, sustainability, etc.). 5G Standardisation activities are done by 3GPP, where SDOs from around the world including ETSI from Europe and TSDSI from India participate, contribute, and develop standards together. Subject matter experts both national and International who participated as speakers and shared their views and expertise were; 1. Mr. Andreas Muller, Chair 5G Alliance for Connected Industry and Automation (5G-ACIA) 2. Ms Monika Gupta, VP Engineering and R&D, Capgemini and Global 5G/EDGE lead and Head of Ecosystem & Alliances 3. Dr. Oommen John, Fellow International Academy of Health Sciences (IAHSI) 4. Mr. Raffaele de Peppe, Board Member, 5G Infrastructure Association (5G-IA) 5. Mr. Viji George, Division Leader, Digital Solutions, John Deere, India			
3 7	M	28-06-2021	Second Meeting of BIS LITD-35/Panel-1 on Accessibility standard for ICT products and services	BIS organized second meeting of LITD35/panel1 on Accessibility standard for ICT products and services	During the meeting, panel discussed the Draft Standard ""Accessibility guidelines for the ICT products and services" "circulated by Shri. S. Ramakrishnan. Mr. Dinesh Chand Sharma, SESEI highlighted the below points for the adoption of EN 301 549v3.1.1 as Indian Standard. • The draft standard once reached the stage of wide circulation shall be kept in a format with all desired changes highlighted so that it is easy for taking up	Continue working with BIS on this subject	Closed	ICT

| | | | | | discussion with European Standards Organizations involved in its development. It will help in taking up for its necessary approval and comments if any. Summary prepared for the same is very well drafted in support of this.
• There are three standards organization involved in the formulation and approval of this EN 301 549 Standards, namely, ETSI, CEN and CENELEC and the MoUs is pending for closure with BIS.
• It would be of immense help if the MoU between BIS and ETSI+ can be expedited. While MoU is in the process, we will try seeking an approval for this standard in parallel based on T&C of the MoU.
• It will be helpful if the text of this standard retains those of EN and WCAG maximally in an "As-Is" manner to enable faster approval. W3C MoU with ETSI is also a criterion for this standard development hence keeping text "As-Is" will help.
• It would also be better to keep all the applicable ACT, legislations including National Digital Communication (NDCP) policy in the Indian reference section preferably as an Annexure like it is done in EN.
Overall, he proposed the Panel to prepare a stable draft of the standard, highlighting the sections of Indian context where changes have been incorporated. It will enable him to take necessary approvals faster. | | | |
| 3 8 | M | 29-06-2021 | Virtual meeting of Working Group (WG) on "Security by design Principles in M2M | TEC Working Group (WG) on "Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M | During the meeting, inputs/comments received from members were discussed. It is an adoption of EN 303 645 Standard on Consumer IoT | Continue working with TEC on this document. | Closed | ICT |

				devices and applications" was held on 29.06.2021 on CDOT Platform.					
3 9	E	29-06-2021	AVANCI -5G Licensing for Connected Vehicles" webinar organised by the SRI Division of DoT	"The AVANCI marketplace provides a one-stop license to the essential patented technology needed to fuel your wireless connected devices. Avanci's reasonable and predictable pricing means you and everyone else pay a fair license rate for your IoT product. Prices are based on the value the wireless technology brings to that product, not the sales price of the product. AVANCI simplified licensing so that licensees can stay focused on growing your business". SRI Division of DoT organized webinar on AVANCI -5G Licensing for Connected Vehicles" .	A VC Presentation cum Knowledge Session on "AVANCI –5G Licensing for Connected Vehicles" focused on buddle IPRs and SEPs for Connected Vehicle by renowned Expert Monica Magnusson, VP, IPR policy, Ericsson was organised by DoT. This is 1st session of the series on IPRs and SEPs to be conducted by S-R-I division of DOT	N/A		Closed	ICT
4 0	E	29-06-2021	Webinar by BIS on Digitizing India through Standards	Meeting to brainstorm with Industry on Digital India initiatives and feedback	During the meeting Industry members such as MAIT provided all activities ongoing related to Digitization and submitted its recommendation on Areas of Improvement as a way forward. BIS Also shared	N/A		Closed	ICT

					updated its Technical Activities and published standards by LITD Divisional Council relevant and related to Digitization. Few Technical committee Chair also made presentation such as Data privacy and Security. EN 301 549 adoption was also shared durign the call apart from many other topics such as Blockchain, AI, Smart Infrastructure etc.			
4 1	E	30-06-2021	Webinar on OpenAirInterface: Democratizing innovation in the 5G era	29th webinar in the knowledge sharing series under the aegis of the India-EU Partnership Project on Collaboration for ICT Standardisation.	OpenAirInterface (OAI) is an open-source project that implements the 3rd Generation Partnership Project (3GPP) technology on general purpose x86 computing hardware and Off-The-Shelf (COTS) Software Defined Radio (SDR) cards like the Universal Software Radio Peripheral (USRP). It makes it possible to deploy and operate a 4G Long-Term Evolution (LTE) network today and 5G New Radio (NR) networks at a very low cost. Moreover, the open-source code can be adapted to different use cases and deployment and new functionality can be implemented, making it an ideal platform for both industrial and academic research. The OAI Software Alliance (OSA) is a non-profit consortium fostering a community of industrial as well as research contributors. It also developed the OAI public license which is an open source license that allows contributors to implement their own patented technology without having to relinquish their intellectual property rights. This new clause is in agreement with the Fair, Reasonable And Non-Discriminatory (FRAND) clause found in 3GPP. In this talk, we are going to describe the current OAI state-of-the-art of the development, the OAI community and development process, as well as the OAI public license and its usage by academia and industry.	N/A	Closed	ICT

| 42 | M | 03-05-2021 | TEC: Virtual meeting of NWG-20 for finalizing contributions for ITU-T SG-20 meeting | TEC called a virtual meeting of the members contributing towards NWG-20 for ITU-T SG-20. | TEC has been participating and submitting contributions in almost all the meetings of ITU-T SG-20 from around last four-five years. During 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.

DDG (IoT) told the members that Mr. Marco Carugi, Rapporteur Q2/ 20 ITU-T SG 20, advised him 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 thereafter. Mr. Marco suggested that this work item may be of interest to India and other developing countries. DDG (IoT) also mentioned that as we were already working on 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 and Feb 2021 meeting.

He also briefed about ITU-T SG 20 and next WTSA meeting to be held in Hyderabad, India in March 2022. | Continue working with TEC and provide inputs | Closed | Smart Cities |

4 3	I	03-05-2021	Virtual Meeting of Project India members: Project India #Meeting No. 11	The 11th meeting of Project India was held on 3rd May 2021. These are periodic meetings which are held to assess and assert the status of actions points and	The CEN-CENELEC Project India met and shared some initial proposals for questions for the SESEI stakeholder consultation and associated timeframe. The next Project India meeting will be on June 15, where the members will have the opportunity to review the progress of the stakeholder survey, the questions raised, and the stakeholders identified. SESEI during the meeting shared updates from India on Priority Topics of interest of Project India.	Continue working with CEN CENELEC to draft SESEI-V Proposal and Survey Questionnaire	Closed	Generic
4 4	M	04-05-2021	Steering Committee Meeting: Phase 2 Planning - Part 2 of the India EU ICT Project	SESEI was invited to participate in the Steering Committee Meeting of the India EU ICT Project.	Agenda of the meeting was as below: Main takeaways from the workshop 1. Work plan for next two years a. Matrix approach proposal b. Resource constraint: human and budget (pending) c. Selection of priorities 2. Reporting and information sharing 3. Next steering committee SESEI during the call provided his inputs and thoughts around the possible topics of work as part of Project Activity.	Continue supporting the Project activity to have a technical synergy	Closed	ICT
4 5	M	06-05-2021	18th meeting of LITD 10 Sectional Committee of BIS	The Eighteenth meeting of Power System Control and Associated Communications Sectional Committee of BIS was scheduled to be held as a virtual meeting on 06 May 2021.	Agenda of the meeting was as below: - ITEM 0: Welcome address by the chairmanp - ITEM 1: Confirmation of the minutes of previous meeting - ITEM 2: 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 3: Guidelines for SCADA System Displays (LITD/10/17093) - TEM 4: Finalization of Standards - ITEM 6: Any Other Business	Continue working with this sectional committee, LITD 10 of BIS	Closed	Electrical Equipment including Consumer Electronics

| 4 6 | M | 07-05-2021 | 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 | TEC called meeting of its Working Group on Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications | During the meeting, DDG (IoT), TEC briefed:
a. About virtual event - ETSI IoT week April 2021 and shared some important presentation related to IoT security. This presentation is available on enisa website at https://www.enisa.europa.eu/events/cybersecurity_standardisation_2021/pre sentations/04-03-pandza.
b. Also shared and briefed ETSI presentation on "ETSI Standards on Consumer IoT security : EN 303 645 and TS 103 701". This presentation is available on enisa website at https://www.enisa.europa.eu/events/ENISA-CCC/ccc-conferenceslides/speaker-jasperpandza-giselameister.pdf.

DDG (IoT) also requested SESEI Expert, Sh. Dinesh Sharma to explain Radio Equipment Directives (RED) i.r.o. EN 303 645 and Harmonised standard (HEN) as in the presentation it was mentioned that "EN 303 645 is not suitable to become a Harmonised Standard (HEN) under the RED. However, it can inform the development of such HEN, once commissioned". SESEI Expert explained about Radio Equipment Directives (RED) i.r.o. EN 303 645 and Harmonised standard (HEN) mentioned in the presentation. | Continue working with TEC on this document. | Closed | ICT |
| 4 7 | M | 07-05-2021 | InDiCo/SESEI meeting on IET India Digital Conversation series on 5G Use Cases | Project InDiCo along with SESEI will be leading a panel discussion during the DiGital Converstaions series organised weekly | Project InDiCo will be participating in the next IET India Digital Conversation scheduled to be held on June 25, 2021, driven by the Standardisation Partners ETSI and TSDSI. Project InDiCo will bring an expert panel of speakers from different countries and backgrounds, who will explore the uses cases of mobile connectivity | Successful participation in the next IET India Digital Conversation | Open | ICT |

				by the IET- Future Tech Panel.	and how 5G could enable breakthrough innovations in products, services, processes for the benefits of all. During the periodic meeting, concept paper on the 5G used cases was discussed in detail. The panel discussion will be moderated by Mr. Dinesh Chand Sharma, SESEI. Through this panel discussion, InDiCo aims to create awareness and sharing of knowledge on : 1. Experiences and pilots of the most promising use cases of 5G technology in different application domains: a. E-health and telemedicine b. Agriculture c. Industry automation d. Transportation e. public safety			
4 8	M	07-05-2021	Call between SESEI and Mr. Peter Sissons from BSI	Mr. Peter Sissons called for a meeting with SESEI to share information on the range of resources developed by BSI to support the fight against COVID-19.	The COVID-19 pandemic has had a huge impact on people and communities and BSI has developed a range of resources to support the fight against COVID-19. BSI know organizations are facing significant disruptions and challenges that they need to quickly manage and respond to, BSI is working closely with Governments, regulators and organizations globally to share best practice and expertise, providing insight and information to help navigate the risks, mitigate crisis and enable resilience. Freely available resources available include safe working guidance, a report on working in the 'new normal' , and a range of webinars focussing on continuity, risk management, business continuity, community resilience and volunteers and the impact of Covid on manufacturing. SESEI during the call informed BSI that a list of EN standards freely available for download and are relevant for COVID were shared earlier (list share post	N/A	Closed	Generic

					call) and if BSI wishes to inform more information around it, SESEI will be happy to include them in the next Newsletter for Indian Audience and BSI can draft a news article on it. Post call BSI representative shared the article, which was included in the newsletter and shared with audience.			
4 9	M	11-05-2021	Steering Committee Meeting: Phase 3 Planning - Part 2 of the India EU ICT Project	India EU ICT Project organised the phase of 3 Planning -part 2 meeting for the upcoming Steering Committee Meeting of the Project. Meeting was attended by SESEI, and TSDSI officials as well.	During the meeting, Mr. Matej joined the meeting virtually to explaining the funding guidelines and explained to all the possibilities and what all is possible as part of the incidental expenses. All other topic such as a template of proposing a new activity was discussed and finalised during the call.	Continue supporting the Project activity to have a technical synergy	Closed	ICT
5 0	M	12-05-2021	Virtual meeting of TEC working group on Smart Grid	TEC Working Group on the Smart City was requested to take up issues related to Smart Grid. In this regard, Draft ToR for WG on Smart Grid were prepared and shared with the group for further comments and finalisation of the same.	Sh. Sushil Kumar, DDG(IoT) requested Dr. Punit Rathod, M/s Qualcomm to share and explain the draft template. Dr. Punit briefed the points of the draft template, mentioned below: a. Introduction b. Existing scenario in emerging communication technologies c. Smart Grids in India i. Background of Smart Grid in India ii. Key Use Cases and Issues iii. Traffic Characteristics d. Communication Technologies and Standards for Smart Grids i. Technology A e. Security Aspects and Standards for Smart Grids f. Summary and Recommendations Members discussed and agreed to have following sub points to be added in different sections:	Continue working with TEC working group on Smart Grid	Closed	Electrical Equipment including Consumer Electronics

					a. Policy initiatives for IoT, security and telecommunications in India only i.r.o. Smart Grid- section 2. b. To cover some indicative examples to motivate security aspects in Smart Grid - section 5. c. Central Electricity Authority (CEA) is already working on the security architecture of Smart Grid. We can only give general recommendations. Will limit recommendations on device and communication-existing / new section. d. [May include aspects related to smart data governance]- new section.			
5 1	M	12-05-2021	Review of India video on the benefits of global standards with Project InDiCo	Project InDiCo along with SESEI is working on preparing a video on the benefits of global standards. Key Stakeholders from Academia, Research Institutions, Govt., Industry, Indian Standardisation bodies were identified	Interviews and video shoot with the identified stakeholders and report on used cases is under process. A review of the key messages, alignment of the statements and important speakers was reviewed by SESEI along with the Project InDiCo officials	Successful publication of a video on the topic of Global ICT Standards in India, featuring interviews with ICT Leaders	Closed	ICT
5 2	E	12-05-2021	EBG Webinar on The Opportunities & Challenges for Medical device companies in India	European Business Group hosted a webinar on the challenges being faced by the medical device making companies in India	Senior officials from the Medical Equipment supply companies like Vygon India Pvt. Ltd., B. Braun India , Invest India and Karl Storz Endoscopy India addressed the webinar and spoke about the opportunities available in a growing economy like India and the on ground challenges they face in terms of regulations and market access issues	N/A	Closed	E-Health

5 3	E	17-05-2021	Webinar on 'Accelerating Digital Transformation in Challenging Times' organised by Telecom Committee of PHDCCI	The Telecom Committee of PHDCCI organised a Webinar on World Telecommunication & Information Society Day 2021 with the theme Accelerating Digital Transformation in Challenging Times	On the occasion of the World Telecommunication Day, Telecom Committee of PHD Chamber of Commerce And Industry, organised a webinar titled " Accelerating Digital Transformation in Challenging Times". The main speakers in the webinar were 1. Dr. P.D Vaghela (IAS), Chairman, Telecom Regulatory Authority of India 2. Lt. Gen. Dr. S.P Kochhar, Director General, Cellular Operators Association of India 3. Mr. Sanjeev Shriya, Founder, Smartchip Private Limited During the webinar, speakers emphasised on the role and importance of ICT sector during pandemic.	N/A	Closed	ICT
5 4	M	17-05-2021	TEC meeting of the committee formed for "Finalizing IoT / ICT standards for Smart cities"	TEC has been organizing regular meetings of WG to finalize the document on "IoT / ICT standards for Smart cities"	During the meeting the minutes of the previous meeting along with the updated draft document was discussed in detail along with the comments received for finalization of the same. SESEI has provided input to the document covering works in Europe.	Continue working with TEC on this document.	Closed	ICT
5 5	E	17-05-2021	The Digital Dialogues on occasion of World Telecommunication & Information Society Day (WTISD 2021) by BIF	Broadband India Forum (BIF) "Think Tank for Digital Transformation" organized the digital dialogues on the occasion of WTISD 2021	The purpose of World Telecommunication and Information Society Day (WTISD) is to help raise awareness of the possibilities that the use of the Internet and other information and communication technologies (ICT) can bring to societies and economies, as well as of ways to bridge the digital divide. On the occasion of World Telecommunication & Information Society Day WTISD 2021 with theme of "Accelerating Digital Transformation in challenging times", emphasizing on the need to continue to push for digital transformation by promoting national strategies on ICT development, smart policies to encourage investments, cooperation, and partnership.	N/A	Closed	ICT

					Mr. Houlin Zhao, Secretary-General, International Telecommunication Union (ITU) delivered a video talk as the Chief Guest of the session; The eminent speakers at the webinar were: - Dr. VK Saraswat, Member – NITI Aayog - Shri K Ramchand, Member (T), Department of Telecommunications, - Shri Jaideep Mishra, Joint Secretary, MeitY; - Mr. Mats Granryd, Director General, GSM Association; - Ms. Nivruti Rai, Country Head, Intel, India and; - Prof. Rekha Jain, Principal Advisor, BIF and Sr. Visiting Professor at ICRIER.			
5 6	M	18-05-2021	Final discussion on the flow of program - Global Accessibility Awareness Day (GAAD) 2021	Global Accessibility Awareness Day 2021 was celebrated by Broadband India Forum.	SESEI is the Co-Chair, of BIF's Committee on 'ICT for Inclusive Ability (PwDs). A meeting was held with the concerned officals from BIF to review the programme, agenda and the flow of the events. SESEI is moderating a session on Standards.	Successful organization of GAAAD 2021	Closed	ICT
5 7	E	20-05-2021	Global Accessibility Awareness Day 2021- GAAD 2021 organised by Broadband India Forum	Global Accessibility Awareness Day 2021 was celebrated by Broadband India Forum. The purpose of GAAD is to get everyone talking, thinking and learning about digital access/inclusion and people with different disabilities.	Broadband India Forum (BIF) is working on the digital access/inclusion for people with special abilities. SESEI is the Co-Chair, of BIF's Committee on 'ICT for Inclusive Ability (PwDs). A special conference was organised by BIF to create awareness and engage the Indian Government, Policymakers and the industry in the need to adopt standards and policies which are inclusive of people with special abilities. SESEI was the moderator of the session on Standards and is promoting adoption of EN 301 549.	N/A	Closed	ICT
5 8	E	25-05-2021	Second India-EU Webinar on Safe and Secure Mobile	A webinar was organised by InDiCo EU - ETSI Project on Comparative	As part of the webinars to be organised by the InDiCo EU - ETSI Project on Telecom Security. A very comprehensive programme was divided into three	N/A	Closed	ICT

			Technologies organized by InDiCo EU - ETSI Project.	Study of Telecom Security Assurance and Certification Schemes in the EU and India'	important sections. The plenary / opening session was addressed by • Gerard de Graaf, Director Digital Strategy and Standardisation, European Commission, DG Connect • C V L Nagaleela, Senior DDG, National Centre for Communication Security (NCCS), DoT Bengaluru to set the tone for the webinar. Post this a session on **"Update from India** " - focusing on Cybersecurity Rules for Telecommunications comprised of speakers from the , National Security Council Secretariat and Department of Telecommunications The 3rd Section comprised of **"Update from the European Commission"-** Policy Framework and Guidelines for 5G Certification Scheme. The main speakers in this section were Head of Sector, Digital Innovation & Blockchain, ICT Standardization, EC DG Connect and Deputy Director General, COAI. Comparative analysis, gaps and mutual areas of concerns were identified and discussed during the panel session , post which conclusions and summary of the event was drawn. This would be used for creating a roadmap for India and EU to work together on Telecom Security related matters.			
5 9	E	25-05-2021	Tech Thought Leadership session on "Digital Transformation during the	In light of the ongoing pandemic and the manner in which it has changed the running of the businesses and industries. Tis has been	COVID-19 has pushed companies over the technology tipping point and transformed business forever. The current pandemic has accelerated the adoption of digital technologies by years and many these changes are for the long haul. During Pandemic consumers have moved dramatically toward online channels and	N/A	Closed	ICT

			Pandemic" organised by FICCI	made possible due to emerging new technologies like Artificial Intelligence which will be transforming the digital landscape. A thought leadership session on emerging technologies was organised by FICCI with Mr. Biswas, Chief Technology Officer, NHBC as the key speaker.	companies and industries have responded in turn and digital adoption has taken a quantum leap at both the organizational and industry levels. However with time we will enter a new phase of this digital transformation and AI is expected to be at the core of this evolution. FICCI organized a "Tech Thought Leadership session on "Digital Transformation during the Pandemic" organised by FICCI and the session was moderated by Mr. Biswas, Chief Technology Officer, NHBC.			
6 0	M	27-05-2021	BIF Committee meeting notice: ICT for Inclusive Ability (PwD)	Broadband India Forum (BIF) is working on the digital access/inclusion for people with special abilities. SESEI is the Co-Chair, of BIF's Committee on 'ICT for Inclusive Ability (PwDs). SESEI regularly participates in the meetings called to discuss 'ICT for Inclusive Ability (PwDs)	The main agenda discussed during the PwD Committee meeting is as under:- 1) Follow-up from the BIF GAAD program held on 20th May. 2) Awareness workshops to be organised in the coming months. 3) AoB	Continue working as a Co-Chair, of BIF's Committee on 'ICT for Inclusive Ability (PwDs).	Closed	ICT
6 1	M	28-05-2021	LITD 34 Smart Manufacturing Sectional Committee - Meeting 2	2nd meeting of LITD 34 on Smart Manufacturing Sectional Committee was organized by BIS	**Agenda items for the meeting was as below:** ITEM 1: Welcome and Opening Remarks ITEM 2: Formal Confirmation of the minutes of the last meeting ITEM 3: Structure of LITD 34 (LITD 34/P1 Smart Manufacturing Use case group, LITD 34/P1 Smart Manufacturing Use case group) ITEM 4: Standardization Roadmap for LITD 34 TEM 5: International Activities	Continue working with LITD 34 of BIS and promote EU work around this topic.	Closed	ICT

					ITEM 6: Composition of the Committee SESEI being an important member of the sectional committee participated in the meeting.			
6 2	M	31-05-2021	SSD-II 10 : P3 - To formulate Indian Standard on "Electronic Consent Management "	Second Panel Meeting of Electronic Consent Management, SSD 10P-3 meeting of BIS	**Agenda of the meeting was as below:** Item 0: Welcome Item 1: Confirmation of the Minutes of the Previous Meeting. Item 2 Review of Composition of Panel, SSD 10/P - 3 Item 3: Discussion on the task assigned to the panel, SSD 10/P - 3. 3.1 As decided in the first meeting, Mr. Suresh Narayana from iGrant.io to give a presentation on Electronic Consent to the panel members. 3.2 To discuss the strategy to prepare working draft for Indigenous Standard on Electronic Consent Management. Item 4: Any other Business	Continue working with BIS on this subject as a convenor of this panel and promote EU work around this topic	Servic es	Closed
6 3	M	05-04-2021	LITD 28 Smart infrastructure Sectional committee - Meeting	BIS organized 21st meeting of the Smart infrastructure Sectional committee LITD 28 to discuss work/status update from from Panels and Study groups	**Agenda for the meeting was as below:** **- Status update from Panels and Study groups** - LITD 28/P 12 - Data exchange - LITD 28/P 7 - Data Layer Architecture for Smart Infrastructure - LITD 28/P 9 - IoT Systems Reference Architecture - LITD 28/P 10 - GIS Framework - LITD 28/P 11 - Model RFP & LITD 28/P 8 - Urban e-Governance Platform - LITD 28/SG 9 - Implementation Guidelines - LITD 28/P 1 - Last mile Communication Protocols - Discussion on Data Semantics **International Standardization Activities:**	Continue working with BIS on this subject and wherever possible align the work with Global/European Standards	Closed	ICT

					- IEC SyC Smart Cities (Electro-technical aspects) - IEC SyC SyC COMM (Communication Technologies and Architectures) - ISO/IEC JTC 1/WG 11 Smart Cities (ICT aspects) **- Committee Composition** **- Future meetings** **- Any other business**			
6 4	E	07-04-2021	TSDSI-TIA Workshop on "5G Networks: Strategies for Enabling Standards Driven Technologies & Innovation" Confirmation	TSDSI and TIA, jointly organized a workshop on "5G Networks: Strategies for Enabling Standards Driven Technologies & Innovation"	Digital communications technologies are playing an increasingly indispensable role in our lives, which is expected to be further enhanced by 5G. In this scenario, it is important to recognize the significance of supporting but critical aspects – Data Centre Infrastructure, Supply Chain Security, and Service Performance Reliability etc. The workshop dwelt on following strategically important technologies / standards in the current ecosystem: - Data Centre Technologies for 5G and Evolving Trends in Standardization - Supply Chain Security - Service Performance Reliability Requirements from Next Gen Networks for Connected Vehicles - Interoperability for Public Safety Mobile Networks	N/A	ICT	Closed
6 5	M	08-04-2021	1st panel meeting of Electronic Consent Management, SSD 10/P-3	First Panel meeting, SSD 10/P-3 on Electronic Consent Management was organized by BIS to review the composition and decide the convenor.	During the third sectional committee meeting of SSD 10 'IT and IT Enabled Services', a panel was constituted to prepare the working draft standard on Electronic Consent Management. the first meeting of Electronic Consent Management Panel 3, SSD 10/P-3 was held on April 8, 2021. During the meeting: - The panel reviewed the composition of the panel and decided to give the responsibility of convenorship to	Continue working with BIS on this subject as a convenor of this panel and promote EU work around this topic	Servic es	Closed

					Mr. Dinesh Chand Sharma of SESEI. - Mr. Ashutosh Dubey from NPCI gave the presentation on Electronic Consent covering its importance, types of Consent, the basic structure of consent artefact and the need for standardization on electronic consent. The presentation is once again shared along with the presentation - Mr. Suresh Narayana from iGrant also given the presentation on how iGrant.io addresses the challenges like Non Compliance to the data regulations and Low consumer Trust -			
6 6	E	13-04-2021	WORKSHOP ON "5G Test Bed Initiative at IIT Delhi"	IIT Delhi, in partnership with TSDSI, organized an online regional workshop on "5G Test Bed Initiative at IIT Delhi" on 13 April 2021	5G holds great promise for India, one of the three largest telecom markets of the world and racing towards becoming a digital economy. It is also a golden opportunity to close the gap in telecom manufacturing in the country. ITU has recently approved three Radio Interface technologies- 3GPP 5G-RIT, 3GPP 5G-SRIT and TSDSI's 5Gi conforming to the International Mobile Telecommunications 2020 (IMT 2020), aka 5G. These will now be used for global commercial deployments. Technology demonstrations to showcase potential of 5G and test beds are now gaining centre stage. IIT Delhi, in partnership with TSDSI, organized an online regional workshop on "5G Test Bed Initiative at IIT Delhi" on 13 April 2021 to showcase following activities of the project: • Multi-Access Edge Computing • 5G NR Channel Estimation, Equalization and Blind Decoding of Control Signals	N/A	ICT	Closed

					5G Test Bed Initiative: IIT Delhi A multi-institute collaborative Research project on 5G Indigenous Testbed, is being executed with participation from eight institutes – IIT Bombay, IIT Delhi, IIT Hyderabad, IIT Madras, IIT Kanpur, IISc Bangalore, CEWiT and SAMEER. Each institute is contributing to the test bed in a complementary manner based on their expertise and interest. The expertise spans from antenna design on one end to the service layer architecting and designing on the other.			
6 7	M	12-04-2021	LITD 28/P9 IoT RA (Reference Architecture) panel meeting	LITD,BIS organized a virtual meeting of LITD 28/P9 IoT RA	During the meeting panel discussed the inputs/comments received from members on the latest draft of the IoT RA document. The panel members were also informed about the mandate given to LITD 28 by Ministry of Housing & Urban Affairs (MoHUA) for publishing a set of standards by June 2021. Further, the panel was instructed to submit the P-draft of IoT RA by 26 Apr 2021 to meet the deadline. SESEI is a member of this panel of BIS and participates regularly in the meetings to contribute.	Continue working with WG and contribute EU Work in it	Closed	ICT
6 8	M	13-04-2021	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 been organizing regular meetings of Working Group (WG) on "Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications"	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. 1 National Trust Center for IoT 2. Draft guidelines consumer IoT security. 3. Draft document on security by design. SESEI expert has provided his inputs on "EU Cybersecurity Certification Framework"	Continue working with TEC on this document.	Closed	ICT

| 6 9 | M | 13-04-2021 | Meeting of Study Group for Standardization of Digital Signature | Sectional Committee SSD 10 'IT and IT Enabled Services' formed a study group for recommending whether the area 'Digital Signature' can be taken up for standardization in the future by SSD 10. | To start the work of the study group a virtual meeting was organized to receive views of members on "digital Signature". SESEI expert was of the opinion that before starting up the standardization work on Digital Signature, efforts has to be made in identifying the companies in India who are working on secure signatures/digital signatures and invite them for the meeting.

During the meeting, SESEI expert was assigned to share the information around Electronics Signature activities in Europe. To address this, SESEI consolidated a short report on it and share with SG. | Continue working with this Study Group of SSD 10, BIS and promote EU work around this topic | Closed | ICT |
|---|---|---|---|---|---|---|---|---|
| 7 0 | M | 14-03-2021 | EBG Telecom Sector sub-Committees meeting | EBG held Subcommittee Meeting ion 14th April 2021 | The aim of the meeting was to give guidance about members role and commence the process for them to start working.

SESEI expert is an important member of Standards and Technology development Working Group and shared updates on following topics with committee members:
- 3GPP transposition by TEC/ TSDSI (delayed late)
- AI stack development by TEC to be harmonized
- Green Passport
- National Trust center TEC (Security)
- NFAP (6Ghz for Telco) | Continue working with this Subcommittee of EBG | Closed | ICT |
| 7 1 | M | 14-03-2021 | Connect on Capgemini 5G lab @ Mumbai | EU Project on ICT Standards organised a meeting with Capgemini to discuss their initiatives around 5G Lab in India | SESEI expert was invited to be a part of this meeting to take up discussion around 5G Labs/Trials in India. During the meeting Capgemini representative shared all around 5G lab in India and what different use cases they are ready to demonstrate. Details around their Lab are available at https://www.capgemini.com/in-en/news/capgemini-augments-its-5g-innovation-program-by-opening-additional-5g-labs-in-france-and- | N/A | Closed | ICT |

					india/. ICT project representative asked for a possibility to hold a webinar where Capgemini can share all about this Lab and respective use case and possibly live demo the lab and the use cases, which is agreed by the Capgemini and it will be explored when opportunity arises.			
7 2	E	15-04-2021	Online Faculty Development Program on LI-FI TECHNOLOGIES AND APPLICATIONS	E & ICT Academy, National Institute of Technology, Warangal in association with Department of Electronics and Communication Engineering, SRM Institute of Science and Technology College of Engineering and Technology, Kattankulathur organized an online Faculty Development Program on LI-FI TECHNOLOGIES AND APPLICATIONS	SESEI Expert was invited by SRM Institute of Science and Technology (SRM IST) to speak on current standardization activities & LI-FI TECHNOLOGIES AND APPLICATIONS . SESEI expert gave a presentation on "Global Standards: Research & Innovation - VLC/Li-Fi": - About Project SESEI - ETSI - 3GPP - Standards and Research (Horizon 2020 research programe on LiFi technology) - Conclusion	N/A	Closed	ICT
7 3	M	16-04-2021	DECT Forum / ETSI TC DECT-2020 Update for Indian Dept. of Communication	Daniel Hartnett, DECT Forum sought a meeting with ETSI officials	With short background as below, meeting was called to discuss "introduce DECT Forum, and explain what we are doing and where we would need your support for Indian Market": Currently the DECT technology does not enjoy any approved spectrum in India. For such an important market, this is large white space in our global appeal. Currently DECT has dedicated spectrum in the following regions: • DECT Core Band in Europe and Australasia: 1880-	Assist DECT forum in promoting DECT activities in India and its possible implementation	Closed	ICT

					1900MHz			
					• US and Canada: 1920-1930MHz (UPCS Band) - (DECT 6.0)			
					• Japan: 1893-1906MHz (J-DECT)			
					• Latin America: 1920-1930MHz			
					• Brazil: 1910-1920MHz			
					• S. Korea: 1786-1792MHz			
					• Taiwan: 1880-1895MHz			
					• India:- White space			
					• China:- White space			
					During the meeting and post meeting SESEI expert updated what all have been done through SESEI and through DECT India Forum:			
					As far as spectrum management and organization in India is concerned it is taken care of by Wireless Planning Wing (WPC) of Department of Telecom under Ministry of Communication. Currently active National Frequency Allocation Plan (NFAP) is from 2018(. As I understand some discussions have started with Industry to make a next revision of this NFAP 2018.			
					As of now, as you pointed out DECT spectrum allocation have not happened, and India is missing this. A long back in 2013 we (ETSI) had also written a letter. Actually, DECT allocation is not an easy call anyone will take up unless it is the industry which pursue it and the harmonized spectrum has a clear clash also with IMT (mobile) hence it becomes very difficult as well. MoM shared post meetings are as below:			
					• Dinesh gave a brief backgrounder on his role. Director – Standards & Public Policy (SESEI)			
					• He has been working with SESEI (an ETSI sponsored organization along with CEN, CENELEC, EC and EFTA that helps to remove or reduce trade barriers to entry			

| | | | | | in the Indian telecommunications market and along with many other objectives www.sesei.eu
• Dinesh has been in place since 2013. Before that Dinesh worked as Head of Corporate Affairs and Public Policy covering spectrum management as well for mobile technology in Ericsson
• Dinesh was aware of the efforts that have been made to bring DECT into India and knows the original members of DFI quite well
• Currently the band 1860 – 1939Mhz is a band designated to military use by the Indian air force.
• Back in the early part of the last decade, this spectrum especially DECT band 1880-1900 was being debated by the senior officer at DoT in response to DECT INDIA member request as part of the NFAP Frequency Allocation plan
• Frequency band allocation plan is governed by National Frequency Allocation Plan (NFAP) and the latest one is from 2018(Before this 2011)
• At that time (2012), Reliance had entered the market using the 4G IMT frequencies in the 1800MHz band and above 2GHz.
• The military claimed the use of the band 1860 – 1939Mhz for the air force and has been using it ever since.
• Although the military use is in place, Dinesh said an update on the NFAP may happen, so this could be at least a possibility to get our wish into the foot note on the band, that the DECT community has expressed a strong interest to use the band as in EUR (1880-1900MHz) or in US(1920-1930MHz). Even if NFAP discussion gets delayed, we shall pursue with DoT one more time and make a strong business case and | | | |

| | | | | | reasons with Industry to consider it for its release and availability for the DECT
• We also expressed our wish to present the latest status on DECT to relevant people in the regulator.
• Dinesh knows Mr. Babu and all of the people we have been trying to contact quite well which should help our efforts.
• Dinesh would suggest a webinar to provide an update.
• As a 5G IIoT technology DECT-2020 is a good fit for industrial use case.
• Dinesh contended that NB-IoT and other IMS technologies already cover these requirements
• He would help with putting the audience together to gain most traction.
• DECT Forum/ETSI explained our efforts to win spectrum dating back over 10 years ago
• Dinesh explained that any approach needs to be strategic, structured and with a long term perspective.
• Decisions are not always binary and require patience and a strong business case to back up the request
• It was suggested that above proposal shall be discussed with Xavier Piednoir in the immediate next step to make sure he is informed and provide his perspective including considering this activity through other EU-INDIA project for webinar and bring TSDSI on board with this proposal. As with TSDSI and along with Industry it could help taking up the matter with DoT.
• Thereafter we will move toward a larger circle. | | | |
| 74 | E | 16-04-2021 | Panel Discussion on "Transparent Sustainability: Circularity & E- | Electronics Sector Skills Council of India (ESSCI) organized an informative and an interactive Panel Discussion on a crucial | The aim of this webinar was to discuss and brainstorm with industry experts the practical aspects and the on-ground challenges on E-waste handling, legislations and policies. | N/A | | Closed | CE & RE |

			Waste Management"	topic"Transparent Sustainability: Circularity & E-Waste Management" on 16th April, 2021 at 3:00 PM.	Key Takeaways for the audience were: 1. How Manufacturers view its e-waste handling? 2. What is E-Waste legislation in India all about? 3. How does a manufacturer deliver E-Waste information with the products? 4. How does a manufacturer focus on for reuse or recycling of its products according to the policies on E-Waste?" 5. What are the skills and employment opportunities?			
7 5	M	19-04-2021	Meeting of LITD 30 on Artificial Intelligence	A virtual meeting of LITD 30-Artificial Intelligence Sectional Committee was organized by BIS on April 19, 2021	BIS TC LITD 30 is working on the subject of Standardization in the area of Artificial Intelligence and Big Data and is liasoning with ISO/IEC TC-JTC 1 SC-SC 42 (P): Artificial Intelligence. Meeting was held to discuss activities around AI in India and Globally. SESEI Attended the meeting to understand the ongoing activities around this subject of importance	N/A	Closed	ICT
7 6	M	20-04-2021	Virtual meeting of the committee formed 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.	TEC is 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
7 7	M	21-04-2021	ERICSSON briefing on video project on Global Standards in India	Mr. laure Pourcin from INDICO ICT STANDARDS Project organized a call b/w ERICSSON and Indico project officials to produce a video about THE BENEFITS OF GLOBAL STANDARDS IN INDIA	SESEI Expert has been supporting INDICO Project to connect with industry officials to produce video interviews. Meeting was held to explain the contours of Video Interview, logic behind it and the format	Successful organization of video interview	Closed	ICT
7 8	E	22-04-2021	GoToWebinar - Webinar with Taylor & Francis:	This webinar was organized in partnership of Taylor & Francis	Research impact is becoming more and more important in the academic and non-academic world. Researchers need to show the impact of their research to secure	N/A	Closed	Generic

			Increasing the visibility and impact of your research		funding and develop their career. Further, impactful academic research has the potential to improve the world we live in. It can enrich our culture, improve our health, develop our laws, inform our policies, invent new technology, and boost our quality of life. This webinar provided useful information to help authors promote their published research and increase the visibility and impact of their work. The webinar covered the following topics with examples and the opportunity to ask questions: - What is research impact? Why does it matter? - Importance and benefits on a researcher's career to amplify their work. - Exploring the channels available to researchers to promote their work. - Importance of media and social media promotion. - Where to find help and support to promote ones published work.			
79	E	22-04-2021 - 23-04-2021	Electronics Manufacturing Summit 2021 (Virtual)	MAIT, the opex industry body for the Electronics Hardware sector in India, organized Electronics & Telecom Manufacturing Summit 2021 on 22-23 April, 2021.	Electronics & Telecom Manufacturing Summit 2021 was a one-of-a-kind annual event organized by the Manufacturers' Association for Information Technology (MAIT) that provides a platform for industry leaders, government representatives, and subject matter experts in the electronics sector to discuss challenges, opportunities and provide a road map to not just make India a global hub for electronics manufacturing but also an export giant. **The theme of the 2021 summit was "2030 The Decade for Electronics Hardware in India".**	N/A	Closed	Electrical Equipment including Consumer Electronics

					The first session – **Making India a Sourcing Hub for Electronics Sub-Assemblies & Components for the World** highlighted the possible solutions to the challenges faced by the industry to realize its potential for becoming the preferred sourcing destination. The second session – **Component Manufacturing in India for the World – Parts of Products and Parts of Parts** delved into the need for gaps in the industry and government support to be enlisted towards negating the disabilities posing hurdles in its growth. On the heels of the PLI scheme, India is slated to see a rapid growth in Electronics Design & Manufacturing with the country aiming for over $300 bn of electronic production through these schemes. The third session – **Making India a Global Centre for Electronics H/W System Design & Launch of MAIT's Championing a 1000 Electronics Hardware Start-ups.**			
80	E	26-04-2021	Workshop on Advanced Digital Communication Technologies Toolkit for India	The Delegation of the European Union to India and NITI Aayog jointly organized a virtual webinar on "Advanced Digital Comm. Technologies Toolkit for India"	First Workshop on 'Study on Advanced Digital Communications Technologies Toolkit for India' was organized by the Delegation of the European Union to India and NITI Aayog. The objective of the workshop was to validate the initial work focus areas of project study above and obtain the inputs/suggestions from the participants. The inputs obtained through the workshop to be incorporated in the project study. During the workshop, SESEI provided input to include topics such as DECT, Satellite Communication for Standards and Spectrum harmonisation in India.	N/A	Closed	ICT

8 1	M	27-04-2021	Future of Standardization in the ICT Industry	Marie KRPATA and Olivier KACZMAR, students at the IRIS Sup, one of the major think tanks in France also providing training to professionals, requested SESEI expert to provide information on India's role in the international standard setting ecosystem in the face of geopolitical evolutions as regards technology.	**SESEI expert used this opportunity and shared a presentation on:** - About European Project SESEI - Main Indian Standardisation Bodies in Indian ICT sector (BIS, TSDSI & TEC) and - New Approach/ Key Initiatives of the Indian Gov. in ICT sector	N/A	Closed	ICT
8 2	M	28-04-2021	DECT Forum: ETSI TC DECT-2020 Update for Indian Dept. of Communication	A follow-up meeting by DECT forum on DECT Forum / ETSI TC DECT-2020 activities and action plan for Indian Dept. of Communication	Meeting was organised with ETSI representative Mr. Xavier to brainstorm the proposed activities with India and explore possibilities to include DECT topic as a priority topic in other project and discuss what all could be done. Following agenda items were discussed during the call: • Our goals: short, medium, Long • The history to date • Identifying the right tasks, people • The way forward • Next steps	Support DECT activities in India proposed by ETSI/DECT FORUM	Closed	ICT
8 3	M	30-04-2021	Virtual meeting of WG on Future Communication Technologies and use cases in IoT domain	TEC has been organizing regular meetings of WG on Future Communication Technologies & Use cases in IoT domain for finalisation of the draft report	During the meeting, WG members discussed the inputs and comments received on the draft report. SESEI has provided input to the report covering EU work around it.	Continue working with TEC on this document.	Closed	ICT

Queries (April, May & June 2021)
Sr. No.	**Date of Receipt**	**Brief Description**	**Requester**	**Sector**	**India Responsible**	**Action/Update**	**Document Reference**	**Status**
1	11-Jun-21	Dear Dinesh, I need some help from you in getting some information on handling and regulating aluminium scrap in the EU. There is EN standard EN 13920 series on the subject. I would like to know how this is applied while regulating aluminium scrap by EU. It would be of great help if you can help me in getting this information.	scgt@bis.gov.in	Generic	BIS	Dear Sir, On your query – "How EU is handling and regulating Aluminium Scrap. There is EN 13920 Series of standard on this subject. How it is applied while regulating the Aluminium Scrap" please note below our first cut input: Regulation/Directive: In EU, Council Regulation (EU) No. 333/2011 establish the criteria determining when certain types of scrap metal cease to be waste based on the Directive 2008/98/EC of the European Parliament and of the Council. This Regulation sets out the criteria determining when aluminium scrap (including aluminium alloy scrap) cease to be considered waste for the purposes of Directive 2008/98/EC and lays down measures to protect the environment and human health by preventing or reducing the adverse impacts of the generation and management of waste. For ease of reading, extracted copy of the criteria in excel sheet as a short summary is also enclosed and for detailed understanding, please refer the regulation and directives as available in the hyper link and is enclosed. Standardization: CEN/TC 132 is responsible for standardization in the field of unwrought, wrought and cast products made from aluminium and aluminium alloys, particularly: - designations; - terms and definitions; - material specifications; - technical conditions of delivery; - dimensions and tolerances; - methods of testing specific to aluminium. List of published standards is available here, which includes list of EN 13920 series of standards as well.	Email Query	Closed

| 2 | 28-May-21 | Dear Dinesh,

In preparation for the upcoming launch of one our product 4G NB IoT (Narrow Band IoT) module, has a special feature of the specific 4G NB IoT communication module is the contained international SIM card, which will allow the owner of the product to easily commission the product and gain Machine-to-machine communication access to the Siemens digitalization cloud offering.

In the course of the legal clearing we have been asked to conduct a local legal clearing, prior to releasing the product for sale outside Germany.

Is this guideline relevant - M2M Guidelines (dot.gov.in)

Can you please help | Belgaonkar, Manojkumar <manoj.belgaonkar@siemens.com> | ICT | | Siemens | Dear Manoj,

Attached is the copy of recommendation and as per clause 3.106 & 5.7 reproduced here item d is applicable for a physical SIM. It says if the equipment is sold to another party (commercia), the roaming device shall also be immediately configured with local subscription/eUICC of Indian TSP. In summary if the device is sold for commercial usage, it shall be migrated to local TSP SIM. Even if you apply international roaming provisions, it is valid for 3 months as I understand and after that it is stopped or asked for migration to local SIM.

3.106 In view of the foregoing, the Authority recommends that:
a) Devices with pre-fitted eUICC should be allowed to be imported only if it has the ability to get reconfigured 'Over the air' (OTA) with local subscription. GSMA approved guidelines shall be followed for provisioning of new profile remotely with 'Over-the-air' (OTA) mechanism.
b) Devices fitted with eUICC shall be allowed in operation in roaming for maximum three years from the date of activation of roaming in the network of Indian TSP and mandatorily converted/reconfigured into Indian TSP's SIM within the stipulated period or on change of ownership of the device, whichever is earlier. The Authority/Licensor shall review the condition later based on the developments and requirements.
c) Country specific relaxation on permanent roaming of foreign SIMs, if any, can be considered based on the strategic importance, Bi-lateral or Multi-lateral trade agreements and principle of reciprocity by the government.
d) In case imported equipment to which the SIM/ device is fitted with such as automobile/ machines (like earth movers), arms etc. (requiring mandatory registration at local authorities such as RTO, State/ District administration) is transferred/ sold to another party | Email Query | Closed |

					before three years, the roaming device (eUICC) shall also be immediately configured with local subscription/eUICC of Indian TSP. The KYC details of the new owner/ buyer must be compulsorily updated in the database of concerned authorities. Yes M2M Guidelines (dot.gov.in) is also valid. Also enclosed are following: • Draft guidelines for the Registration Process of M2M Service Providers(M2MSP) & WPAN/WLAN Connectivity Provider for M2M Services • Extracts of the report of the Inter-Ministerial Working Group constituted to identify Critical Services in M2M sector • Issues involved in the deployment of embedded SIM In summary my suggestion would be to procure a local SIM for this and get it tested for solution offering instead of getting the imported SIM prior to its commercial sales. Regards		
3	16-Apr-21	Inputs to Draft Document 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, I have updated content of 9.2.1, and additional recommendation as below for consideration. - Study list of global/regional standards relevant for the IoT Security and initiate process for their adoption/transposition/development of these applicable & appropriate standards for implementation in Indian Market. Warm Regards,	Email Query	Closed
4	13-Apr-21	Information on Satellite communication in India	Michel DOTHEY	ICT	SatADSL	Dear Fulvio and Michel,	Email Query	Closed

		<michel.d othey@sa tadsl.net>			While the Satellite based communication has been active with many applications through VSAT such as Bank ATM, Enterprises, Backhaul, Stock Market, DTH, Cinema and Rural broadband etc, it is still a very restrictive and Govt Controlled sector through its organisation called ISRO/ANTRIX. ISRO has also used satellite communication technology for a series of non-commercial applications also such as Tele-Medicine, Education etc. Department of Telecom also put in place "The Flight and Maritime Connectivity Rules in December 2018 by the Department of Telecom, Government of India allow only telecom operators to apply for an operating license for in-flight calling and internet surfing.

While the potential is huge but still restrictive and Govt controlled. Current policy is available here and The norms, guidelines and procedures for implementation of the policy frame-work for satellite communications in India as approved by Government in 2000 are here (https://www.isro.gov.in/sites/default/files/article-files/indias-space-policy-0/satcom-ngp.pdf) . Also enclosed report while little old but most of the information still holds true on this sector.   Also giving link of presentations made during last year India Satcom 2020 organised by Industry association BIF.

• india-satcom-2020-presentations – Broadband India forum (https://broadbandindiaforum.com/india-satcom-2020-presentations/)

lot of provisions were also made as part of National Digital Communication Policy on Satellite, it is yet to see - light for implementation and I think mostly stuck/delayed due to spectrum allocation possibly. We see 5G may bring this on board as 3GPP has standardized Satellite as part of its standardization. A report as enclosed on Satellite Broadband may help further on this topic. | | |

						Also missed to share that there is also a industry body on Satellite - SiA-India: https://www.sia-india.com/ Regarding BSNL as it is a Public Sector Organization, procurement happens through Tendering. Hope you all find it useful, and it does address your query. Regards,		
5	7-Apr-21	shared information around Electronics Signature activities in Europe	Services Sector Departme nt II <ssd2@bi s.gov.in>	Services	BIS	Dear Sir, Please find enclosed a short report on Electronics Signature activities in Europe. Regards,	Email Query	Closed