

## Annexure 2

**Activity Tracker & Queries for the period of 'July-September 2021'**

### **Quarterly Report No. 09**

<b>Sr. No.</b>	<b>Description</b>	<b>Total Until now</b>	<b>In Last quarter</b>
1	External Meetings	295	38
2	Internal Meetings	71	8
3	Events/Seminar/Workshop/Roundtable	288	38
	<b>Total</b>	<b>654</b>	<b>84</b>
4	No of Queries	85	6

## SESEI-IV

### Quarterly Activity Update: July-September 2021

Sr. No	CAT	Date	Meetings/Events:	Subject:	Outcome:	What Next	Status	Sector
1	M	01-09-2021	Meeting with Vijay Kumar, CTO, eMudhra a company associated with Digital certification, E-signatures, etc.	SESEI held a meeting with Mr. Vijay Kumar CTO of eMudhra to discuss ISO/ETSI standards available on digital signature.	ETSI TC Chairman on ESI, connected SESEI with Mr. Kumar to take up discussions around Electronic Signatures. SESEI was already working with BIS Panel responsible to identify relevant standards around Electronic Signature. During this call SESEI updated Mr. Kumar about the panel activities, background and what all has been addressed by SESEI including promotion of ETSI standard around this subject and associated presentation to panel members. SESEI asked Mr. Kumar, if he can join this panel and he can introduce him and together we can align the adoption of right standard on this subject and promote the excellent work done by ETSI ESI WG. Mr Kumar agreed and SESEI introduced him to the panel members.	Promote and align ETSI ESI work through this panel	Closed	ICT
2	E	02-09-2021	TSDSI Webinar on - Digital Technology Innovations Series Webinar#1 on "India Stack and the ITU"	TSDSI and ITU's Asia Pacific Regional office are organising a joint webinar series on "Digital Technology Innovations – Case Studies from India and the Asia-Pacific Region" with support from Department of Telecommunications and select Ministries of Govt of India and other partners from the Asia-Pacific Region to	The Inaugural session of this series was scheduled on 2 September 2021. The session showcased "India Stack". Additionally, it highlights the ITU and engagement models, including the International Centre of Digital Innovation (I-CoDI). - In the inaugural session Mr N G Subramaniam, Chair TSDSI (Chief Operating Officer – Tata Consultancy Services) and Ms. Atsuko Okuda, Regional Director for Asia and the Pacific, ITU were the key speakers in the inaugural session Ms. Anita Praveen, Additional Secretary (T),	N/A	Closed	ICT

				<p>showcase such initiatives (large public as well as private sector implementations).</p> <p>Through this webinars target was to share knowledge of digital innovations emerging in the ASP region, and to discover their potential applications in different economies regionally.</p>	<p>Department of Telecommunications, Govt. of India was the Chief guest at the webinar.</p> <p>1. Under the technology session on <b>India STACK – Technology Architecture Context Setting and Introduction by Mr Kishore Babu, Deputy Director General, Department of Telecommunications, Govt. of India</b></p> <p><b>Presentation by Dr Vivek Raghavan, Chief Product Manager, Unique Identification Authority of India (UIDAI)</b></p> <p>2. <b>Technology session 2 on Overview of ITU - Overview of ITU &amp; Engagement Models by Ms Atsuko Okuda, Regional Director for Asia and the Pacific, ITU</b></p> <p><b>Overview of International Centre of Digital Innovation (I-CoDI) by Mr Alex Wong, Chief Special Initiatives, ITU</b></p>			
3	I	02-09-2021	Project India Meeting #13	<p>As part of the India Priority Task force formed by the CEN CENELEC, periodic meetings are scheduled to assert the status of action items taken up jointly by the India Priority Taskforce</p>	<p>In the 13th Meeting of the India Priority Task Force, SESEI provided status details on the following topics:</p> <ul style="list-style-type: none"> <li>- SESEI IV stakeholder survey – key learnings and opportunities</li> <li>- SESEI V Update</li> </ul>	Follow up action items	Closed	Generic
4	I	03-09-2021	SESEI SC ad-hoc meeting to discuss on the key findings from the SESEI survey was called by Ms. Margot Dor, ETSI	<p>The main agenda of the meeting was</p> <ul style="list-style-type: none"> <li>- SESEI Survey findings and comments</li> <li>- Discussion on the comments and feedback received</li> <li>- Next steps and date for the</li> </ul>	<p>SESEI gave a detailed presentation on the SESEI Survey and Key Findings.</p> <ul style="list-style-type: none"> <li>- As per the feedback received most stakeholders validated the role and achievements of Project SESEI</li> <li>- A total of 149 responses were received in a time window of 2 months</li> <li>- The Survey has quantified the positive impact, SESEI Project has been able to create in a short span of time bringing benefit to both the Indian and EU,</li> </ul>	Follow up action items	Closed	Generic

				formal SESEI Steering Committee Meeting	Industry, and SDO's. Bridging the gap and bringing synergies and alignment in the way new businesses should be approached. - During the meeting it was also agreed that executive summary of the survey findings should be drafted for the Project Partners			
5	M	03-09-2021	6th Meeting of LITD 35/P1 Panel- Accessibility standard for ICT products and services	SESEI is a member of the LITD 35/P1 Panel- Accessibility standard for ICT products and services and uses this forum to promote and work on adoption of EN 301549.	The highlights of the discussion are as under; Progress on the Conclusion of the Comments to P-Draft of Part 1 of Accessibility Standard -Convener of the working group provided the progress on the Part-1 of the Accessibility standard based on the comments received on it. Brief on the Working Draft of Part 2 Conformance of Accessibility Standard - The initial draft prepared by CDAC was briefed by Shri Ramakrishnan to panel members. The panel members provided their comment/suggest on the changes that can be applied to working draft. The decisions taken during the meeting are ITEM 2 PROGRESS ON THE INCLUSION OF THE COMMENTS TO P-DRAFT OF PART 1 OF ACCESSIBILITY STANDARD 2.1 Shri. S. Ramakrishnan, presented the highlights of changes carried out in the revised P1 draft. • briefing the panel about background of developing the standard in two parts. Also, he explained the structure of Part-1 and requested the newly co-opted members to provide their comments, if any. • Detailed discussion was held on the inclusion of Indian clauses as 'NOTES' in Requirements part (Part-1 of Accessibility Standard). Considering readiness of enabling technologies such as TTS and Speech to Text in many of the popularly used Indian languages, The	Continue work with BIS and promote adoption of EN 301 549 in India	Closed	ICT

					<p>Panel consensually expressed concern that clauses reflecting Indian needs are all mentioned in informative clauses in the revised P-Draft and hence the informative clauses may be ignored by the developers/implementers.</p> <ul style="list-style-type: none"> <li>• The Panel, suggested that the clauses reflecting Indian needs to be placed in the normative section of Part-1 of the Accessibility standard.</li> <li>• It was decided that Part-1 of the standard will be revised accordingly, based on the inputs and comments received on BIS portal, panel members and stakeholders of the Inter-Ministerial consultation meeting.</li> </ul> <p>- Dr. Subramanian, Convenor mentioned that MeitY is planning to convene an Inter-Ministerial consultation meeting to discuss the P-Draft of Part-1. The same is expected to happen in the month of September 2021.</p> <p>ITEM 3 BREIF ON THE WORKING DRAFT OF PART 2 CONFORMANCE OF ACCESSIBILITY STANDARD</p> <p>3.1 Shri. S. Ramakrishnan made a presentation(Annex 1) on developing the working draft of the “Accessibility for ICT products and services, Part 2 : Conformity”</p> <p>Summary of presentation regarding Part-2 of the standard.</p> <ol style="list-style-type: none"> <li>EN standard is focused mainly on meeting the procurement needs, especially public procurement.</li> <li>Indian Standard should cover the needs of many stakeholders – Developers, Manufacturers, Suppliers (including for Self-Declaration of Conformity as popular through VPAT in USA); Testing and Certifying community; Public and Private</li> </ol>			
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				<p>Procurement groups/ Agencies; and End-Users (Enterprise, NGO and Citizens)</p> <p>c. Panel agreed on the: i. Proposed approach – Idea is to make a standard which is self-contained, follows BIS guidelines of standards; Links with Part 1, Makes the length manageable; and yet readable and friendly to a wider audience, many of whom are likely to adopt Accessibility for the first time.</p> <p>ii. Suggested format – Background and Explanatory sections relating to Conformity, Success criteria, Testing etc. in the context of Part 1 and best practices drawn from EN, WCAG, ISO, Industry etc.; ‘Determination of conformity’ table (for all clauses and sections of Part 1 a reformatted table of Annexure C of EN 301 549 v3.2.1, after ensuring technical correction; Annexures (see below)</p> <p>iii. Relevant links,  <a href="https://www.etsi.org/deliver/etsi_en/301500_301599/301549/03.02.01_60/en_301549v030201p.pdf">https://www.etsi.org/deliver/etsi_en/301500_301599/301549/03.02.01_60/en_301549v030201p.pdf</a>  (Section 14b and Annexure C);  <a href="https://www.w3.org/TR/WCAG21/#conformance-to-wcag-2-1">https://www.w3.org/TR/WCAG21/#conformance-to-wcag-2-1</a>;  <a href="https://www.w3.org/TR/WCAG21/#conformance">https://www.w3.org/TR/WCAG21/#conformance</a>;  <a href="https://www.w3.org/TR/UNDERSTANDING-WCAG20/conformance">https://www.w3.org/TR/UNDERSTANDING-WCAG20/conformance</a>;  <a href="https://www.w3.org/WAI/GL/task-forces/">https://www.w3.org/WAI/GL/task-forces/</a>;  <a href="https://www.ada.gov/ta-pubs-pg2.htm">https://www.ada.gov/ta-pubs-pg2.htm</a></p> <p>iv. Annexures and – Templates; Use-cases/Persona based case-study of How Specific Products (say, ATMs; PCs, Mobiles, Software) or Services (say, Websites/ Portals, e-Contents, Video over ICT, Documents, Two-way voice through ICT) are tested for conformity using Part 1 and Part2; and Other such</p>			
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				<p>guidance material such as a coverage of testing, tools, partial compliance and road-map based adoption strategy. Examples to convey best practices may also be included.</p> <p>v. Targeted time-frame – P-draft by end of September</p> <p>d. With respect to development of Annexure-C of the EN standard for Part2, it shall include mapping of conformity clauses for India specific aspects given in Part1.</p> <p>e. It was discussed and decided that Part-2 of the standard should have following priorities on development of the Part-2 of Accessibility Standard:</p> <p>Priority-1</p> <ul style="list-style-type: none"> <li>• Template for manufacturers containing the details of clauses for the compliance of standard of the relevant product or service.</li> <li>• Coverage of clauses reflecting India Specific needs; .,Write-up and presentation in a user-friendly manner and format.</li> </ul> <p>Priority 2</p> <ul style="list-style-type: none"> <li>• Conveying methodology for testing and conformity establishment (including level and details of conformity) of respective products and services</li> <li>• Testing and guidance summary</li> </ul> <p>Priority 3</p> <ul style="list-style-type: none"> <li>• Best Practices</li> <li>• Use Case</li> </ul>			
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6	M	08-09-2021	Audio Meeting with Mr. Anand Deep Gupta, QCI	<p>SESEI, requested a meeting with Mr. Anand Deep Gupta, QCI.</p> <p>This meeting was sought on the request from DG international partnerships and CEN-CENELECs efforts on Africa. QCI has signed MOU with ARSO (Africa). QCI is actively involved in Africa and is promoting BIS standards. It is for this reason , CENCENELEC wanted to understand India's activities in AFRICA</p>	<p>The main discussion that SESEI undertook with QCI was</p> <ul style="list-style-type: none"> <li>- What is QCI's interests in BIS standards promotion?</li> <li>- What is India's/QCI's interests in Africa and which African countries?</li> <li>- Has QCI identified key elements in implementing their MOU with ARSO?</li> </ul> <p>What are different activities ongoing between India and Africa. Post call and after finding out more information from QCI office, following updates were shared with CEN-CENELEC</p> <p>Here is an update on this request after having a call with QCI officer, as I was also wondering how can QCI talk about Standard &amp; its promotion when they are only responsible for Lab accreditation.</p> <p>- There was a meeting held recently titled as "5th Tripartite Meeting of National Standards Regulatory Authorities" and held on 25-26th August between India-Brazil-Africa's Standards &amp; Accreditation Bodies (BIS &amp; QCI from India, ARSO &amp; SANAS from Africa and their counterpart in Brazil) and it was part of Govt-to-Govt dialogue established as part of IBSA. India is the current chair of this Forum which brings together India, Brazil, and South Africa.</p> <ul style="list-style-type: none"> <li>- As it is a political dialogue, and they are talking all including Standards, Accreditation, Skill Development, Meteorology, agriculture, tourism to name a few.</li> <li>- QCI works with SANAS through this platform for accreditation exchange and as per the knowledge of QCI officer, they don't have any separate MoU with ARSO, and it doesn't make sense to have MoU with</li> </ul>	N/A	Closed	Generic
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					standards organization such as ARSO. Also, as per the database compiled earlier on BIS MoU, I don't see any MoU between BIS and ARSO as well. Hence this engagement is purely under the framework of IBSA only and there are no specific sector/activities, and it may be a generic exchange of activities around standards.			
7	M	15-09-2021	7th meeting of LITD35/P1 Panel of BIS	<p>The main agenda of the meeting was discussion on Accessibility Standard - Part 2.</p> <p>SESEI is a member of this Technical Committee. This LITD35/P1 Panel of BIS is associated with Smart Active Assisted Living. SESEI participates in the Technical Committee for adoption of EN 301549.</p>	<p>Mr. S. Ramakrishnan, CDAC gave a detailed presentation on the Accessibility Standard - Part 2 . Some of the key points of his presentation were;</p> <ul style="list-style-type: none"> <li>- Part 1, Progress in respect of P-Draft</li> <li>- decision to push some/ many of the India Specific requirements from Informational (appearing as notes) to Normative sections. Some of the Indian specifications discussed are Indian language related requirements - throughout, discussions on how and how many /or all of them for instance keyboard layout standards in Informational section itself and thus not mandate them.</li> <li>- The Panel should be able to close P-draft, within two days of Inter-departmental committee meeting and hand over to BIS</li> <li>- list of all comments, revisions made as a result, reason and comments provided to BIS</li> <li>- Proposed structure of the draft document. It will provisionally consist of two sections and a set of Annexures.</li> <li>● First section will cover: 1) Background, Definitions, Principles and Concepts of Conformity, 2) Principles of Accessibility in a nutshell, 3) Scope of Requirements in summary, 4) What, why and How of Conformity for Accessibility, 5) Process in</li> </ul>	Continue work with BIS and promote adoption of EN 301 549 in India	Closed	ICT

					<p>the context of Part 1 ., 6) Methodology, Tests and Tools, 7) Reports, Template        8) Audit, Recommendations and Remediation aspects, 9) Relevance to various stakeholders, 10) How to use the standard for establishing specific products and services, 11) Accessibility standard and RPwD act, 2016</p> <ul style="list-style-type: none"> <li>● Conformity Requirements Document - II, Determination of conformity – Reformatted Annexure C Table (Separate Attachment), Annexures, Templates, ATM as an example of a (closed system) Product for how to use the standard           <ul style="list-style-type: none"> <li>○ Persona based Use-cases to make it easy to convey Accessibility requirements and conformance in respect of ICT Products in various situations and various users</li> </ul> </li> <li>● Table of Reformatted Annexure-C of EN 301 549 , Given there are over clauses, about 48 clauses have been documented for technical correctness. It'll shown in the screen to illustrate how we are going about it. One case study of Annexure on Use-case for ATM will be shown and the document shared post the meeting. Also, persona-based use-cases will be shown. Members may comment on the utility value of these.</li> </ul>			
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8	E	16-09-2021	<p>ITU- APT event on <b>"Looking Beyond 5G Future Technology Trends Towards 6G"</b></p>	<p>ITU-APT Foundation of India, jointly with 5G India Forum (5GIF) plans to look at the evolution towards 6G and a future wireless connected society and how India can play a significant role in that evolution. Understand from global experts on technology trends, future vision and what is happening in the ITU on evolution from 5G to 6G</p> <ul style="list-style-type: none"> <li>• Explore the way India wants to make its presence felt in the 6G innovations.</li> <li>• Become a partner in this global journey to 2030 and beyond.</li> </ul>	<p><b>In the first session of the event, speakers discussed and presented their view point on</b></p> <ul style="list-style-type: none"> <li>- Post COVID -19 pandemic, how 5G will help speed up economic and Industrial recovery.</li> <li>- How can the scientists, policy makers, regulators and Industries come together to maximise the potential of 5G and 6G to help tackle some of the country's biggest growth challenges?</li> <li>- What role can 5G and future connectivity technologies play in meeting the UN 2030 Sustainable Development Goals?</li> <li>- How important is it to think 'long-term' with the decisions that are taken now and how will these decisions impact the strategies for next generation of Mobile technologies.</li> <li>- What would be the impact of 5G roll out, and to what extent will it shape the future connected society towards 2030 and beyond?</li> </ul> <p><b>In the 2nd session speakers talked about</b></p> <ul style="list-style-type: none"> <li>- Mobile Telecom Industry is in the process of defining their own 6G visions and the timing of 6G development in relation to upcoming World Radiocommunication Conferences (WRC).</li> <li>- In the course of next few years, mobile community and academia will focus on the research of enabling technologies and 6G Requirement Specifications as an integral part of the International Telecommunication Union (ITU) process.</li> <li>- Future connectivity solutions leading to 6G must be benchmarked to assess societal aspects such as trust, open collaboration, flexibility and underserved areas while a strong emphasis is also required on value creation through new business models and private</li> </ul>	N/A	Closed	ICT
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					<p>networks, among others.</p> <p>- The role of imaging and sensing, as an integrated function in 6G networks, where the Internet of Senses will reshape human-machine interaction and where interconnected digital and physical environments seamlessly intertwine into one.</p>			
9	M	16-09-2021	<p>Virtual Meeting with Mr. Peter Stephens, Head of Secure by Design, Cyber Security, Department for Digital, Culture, Media and Sport</p>	<p>A meeting was arranged between SESEI and DCMS, UK on issues related to latest dynamics in India regarding consumer IoT Security.</p>	<p>During the meeting, a discussion exchange was held on the IoT security and security related standards in UK and India.</p> <p>Mr. Peter Stephens shared experience of UK converting the Code of Practice (and ETSI EN 303 645) into enactable and proportionate legislation.</p> <p>SESEI expert also shared slides on security/cybersecurity related work in India.</p> <p>During the meeting it was agreed that as next steps, SESEI will connect DCMS with TEC and set up a conversation with officials of Dept for Telecommunications to understand their appetite in converting the Code of Practice into more enactable legislation.</p>	<p>Continue work with TEC and DCMS, UK on this topic</p>	Open	ICT

10	I	17-09-2021	Meeting with CEN CENELEC to discuss proposed INDIA: Rail webinar	Ms. Christi Jarita organised a meeting with SESEI to discuss proposed webinar on Railway Standards with RDSO.	<p>The main discussion was held around rail webinar proposal for India. In the meeting Mr. GUIDO ANCARANI, DITECFER , presented his thoughts on what should be Webinar proposal, how and whom to approach , recommendation on panellists and subjects and what should, be the desired outcome.</p> <p>SESEI provided latest update on the Interest topics on railways from India, who are the key stakeholders in the railways in India and the audience profile .</p> <p>It was agreed that SESEI will approach RDSO with a proposal for webinar or Web Meeting on Railway standards.</p>	Follow up action items	Open	Mobility
11	M	17-09-2021	Fourth meeting of the study group on Digital Signature, Services Sector Department II" of BIS	Fourth Meeting of Study Group on Digital Signature was held on 17th Sept 2021. SESEI is an active member of this working group to promote EU / ETSI standards on Digital Signatures	<p><b>Highlights of the meeting are ;</b></p> <ul style="list-style-type: none"> <li>- Review of Composition of the Study Group</li> <li>- A co-option request received from Mr. Vijay Kumar, CTO, e Mudhra for membership in the study group.</li> <li>- Point of discussion on the Digital Signature.</li> <li>- Recommendation from Mr. Naveen Chava on the ISO standards i.e.; ISO 14533 series, ISO/IEC 20248, whether they can be adopted as Indian Standards.</li> <li>- A brief presentation from Mr. Vijay Kumar, CTO, eMudhra on digital signature</li> <li>- To discuss and decide the top three priority areas for standardization on digital signature.</li> </ul> <p>The study group may discuss and decide.</p> <p>SESEI has shared with SG the list of standards</p>	Continue working with BIS on this subject and contribute Europe/International work	Closed	Services

					related to Digital Signature prepared/released by ETSI.			
12	M	20-09-2021	Virtual meeting of Working Group on “IoT and 5G applications in Smart Grid”	The Draft Reference document on “IoT and 5G applications in Smart Grid” is being prepared by the TEC working Group. The meeting is held periodically to discuss the draft document and inputs/comments received from members on each of the sections.	A virtual meeting of Working Group (WG) on IoT and 5G applications in Smart Grid was held on 20.09.2021 1. Sh. Sushil Kumar, DDG(IoT), welcomed all the participants and discussed the information captured in the draft document at length and updates done during the drafting session - Intimated in the section related to ‘Existing Communication Technology’ link of the document released by TEC in 2017 and another to be released shortly may be given instead of repeating details of all communication technologies. - Informed members these are only the preliminary details from ITU and other documents and this draft document has to be developed further. Hence requested members to work offline on the draft.	Continue work with TEC of this topic	Closed	Smart Energy
13	M	21-09-2021	GoToMeeting - EBG Position Paper: Standards WG Call	European Business Group (EBG) scheduled its Telecom Committee - Standards WG meeting. SESEI is actively engaged through EBG on issues related to Market Access , 5G, Emerging technologies, supporting European Telecom vendors interests in India	The main highlights of the meeting held was - Finalisation of EBG Position Paper on Telecom Sector 2021 and the Key Developments during the year 2021 - SESEI drafted the section on standardisation for the EBG Position Paper - Discussion on issues related to 5Gi standard, promotion of 5Gi by TSDSI , adoption / acceptance by TEC ( Whether or not) and how to ensure that 5G standards as developed by 3GPP are adopted for India. A draft representation in this regard was prepared by EBG members. SESEI was one of the main authors of the representation on the 5Gi standard	Work with EBG to finalize position paper and contribute to Standardization chapter	Open	ICT

					- The draft representation was discussed in the meeting for its finalisation			
14	E	21-09-2021	GoToWebinar - Enabling Collaborative Development – Indo-German Deals in a Decade	The Indo-German Chamber of Commerce (IGCC), Ebner Stolz and Nexdigm (SKP), jointly organised an exclusive webinar titled “Enabling Collaborative Development - Indo-German Deals in a Decade	<p>India’s and Germany’s relations play a strategic role in the development of both economies, with Mergers and Acquisitions being a popular route of entry and expansion for companies in the Indo-German corridor. Already ranked as the third most active European acquirer in India, Germany is also increasingly being viewed as a gateway to the European market by Indian companies. Deal trends in this corridor over the past decade are a reflection of the strengths of both economies, with largely complementary eco-systems bridging business needs and introducing growth avenues.</p> <p>Nexdigm’s and Ebner Stolz’s released a joint report titled ‘Enabling Collaborative Development – Indo-German Deals in a Decade’. In this report, the experts have highlighted the key trends that have shaped the Indo-German Deal landscape over the last decade, industry-specific insights, and the outlook for the next decade.</p> <p>Through the webinar, speakers provided deep insight into what drives cross-border transactions in this corridor and the potential deal trends to look out for, followed by experiential insights of industry veterans.</p>	N/A	Closed	Generic

15	E	22-09-2021	Webinar on the occasion of World Energy Storage Day (WESD) focused on energy storage, electric mobility and green hydrogen	To commemorate the World Energy Storage Day (WESD, <a href="http://www.energystorageday.org">www.energystorageday.org</a> ) on 22 September, being recognized worldwide. 5th WESD- Global Conference and virtual Expo (GCE), was held virtually.	WESD is a global movement initiated by various apex trade bodies working to promote and adopt energy storage, e-mobility & green hydrogen technologies for a sustainable future. This event is one of the largest open global event in this domain. With a rising focus on the effective integration of renewable energy, the importance of electric vehicle and reliable, resilient energy supply, energy storage is becoming an increasingly important tool in the electricity ecosystem. With Energy Storage rising to the forefront of industry developments, World Energy Storage Day is celebrated on 22nd September every year by various global industry stakeholders, policy makers, think tanks and associations to acknowledge its importance across the globe.	N/A	Closed	Electrical Equipment including Consumer Electronics
16	M	22-09-2021	TEC: Virtual meeting of NWG-20 for finalizing contributions for ITU-T SG-20 meeting,	virtual meeting of NWG-20 (for finalizing contributions for ITU-T SG-20 meeting, Oct 2021) was held on 22nd Sept	This group has been working on the ITU-T SG-20 on IoT and its applications in Smart Cities & communities, work item Y.SRC "Requirements for deployment of smart services in rural communities" for the last more than one year. Contributions have been submitted in almost all the meetings held earlier. Latest draft document TDD and the clean version for submitting contributions in track change mode was discussed in the meeting.  TEC has also released a technical report on IoT/ICT Enablement in Smart Village & Agriculture in March 2021 and is available on <a href="https://www.tec.gov.in/M2M-IoT-technical-reports">https://www.tec.gov.in/M2M-IoT-technical-reports</a> and SESEI expert had contributed to this report on EU work around this subject.	Continue working with TEC on this subject	Closed	ICT



					It is also brought to the notice of all the members that ITU-T Recommendation Y Suppl.53 (12/2018) is having five IoT use cases from India and one from Egypt; and ITU-T Y Suppl.56 (12/2019) having smart city use cases from Japan, Korea, UK and India. These recommendations are the outcome of a lot of efforts of participating members.			
17	M	22-09-2021	Meeting 8 of LITD 35/P1 Panel on Active Assisted Living of BIS	SESEI is a member of the LITD 35/P1 Panel- Accessibility standard for ICT products and services and uses this forum to promote and work on adoption of EN 301549 in India.	<p>Highlights of the periodic meeting No. 8 of LITD 35/P1 are as under;</p> <p>Progress on the Conclusion of the Comments to P-Draft of Part 1 of Accessibility Standard</p> <p>-Convener of the working group provided the progress on the Part-1 of the Accessibility standard based on the comments received on it.</p> <p>Brief on the Working Draft of Part 2 Conformance of Accessibility Standard</p> <p>- The initial draft prepared by CDAC was briefed by Shri Ramakrishnan to panel members. The panel members provided their comment/suggest on the changes that can be applied to working draft.</p> <p>1. Discussion on the comments received from the CCPD and LITD53/P1 Panel members on Part -1 of Accessibility Standards. Dr Subramanian, Convener provided the update on the resolution of the comments on Part-1 of the Accessibility standard and also update the members regarding the Inter-ministerial meeting.</p> <p>ITEM 3: Review on the status of Part 2 of Accessibility Standard. Shri Ramakrishnan briefed the progress on part2 of accessibility standard draft.</p>	Continue work with BIS for the adoption of EN 301 549 in India	Closed	ICT

					<p>ITEM 4: LITD 35/P1 PANEL COMPOSITION: Composition of LITD 35/P1 Panel was discussed with members for further inclusion co-option of new members.</p> <p>Bureau of Indian Standards (BIS) has sought ETSI's approval for adoption of EN 301 549-"Accessibility requirements for ICT products and services" standard as Indian Standard. The Conformity Assessment part of EN 301 549 is not part of this Indian draft standard as it is dealt separately as Part – 2 which is under development.</p>			
18	M	22-09-2021	Fifth sectional committee meeting of IT and ITeS, SSD 10 of BIS	Sectional committee of IT and ITeS, SSD 10 of BIS takes care of Standardization in the field of services, processes, supporting frameworks, management and governance for the provisioning of IT and IT enabled services in areas such as (but not limited to), contract management, performance management, procurement management, customer satisfaction, contact centre, consent management, covering existing and emerging digital and automation technologies'.	<p>SESEI is a member of the SSD 10 and participates in its sub sectional committees which are as under</p> <ul style="list-style-type: none"> <li>- SESEI is a member of Panel for Electronic Consent Management, SSD 10/P-3. The panel was assigned the task to prepare Indigenous standard on Electronic Consent Management. The panel had four meetings in total. Dinesh Chand Sharma – SESEI is the Convenor of this committee</li> <li>- The report of first three meetings of Panel 3 were already submitted to the committee in the last sectional committee meeting.</li> <li>- ISO/IEC 29184 standard addresses all the requirements and justifies the thought process of this panel on consent management. It was informed by LITD 17 member secretary the adoption of ISO/IEC 29184 have been completed and at present this draft standard is with the publication department and it will be published soon as Indian Standard.</li> <li>- SESEI is also a member of Working Group on Cloud</li> </ul>	Continue working with BIS on this subject and contribute Europe/International work	Closed	Services

					<p>Services, SSD 10/WG - 1. ISO/IEC standards in this domain are being studied by the WG for their comments for adoption.</p> <p>- Study Group on Digital Signature: The study group was constituted to examine the documents related to Digital Signature and recommend the possible areas for standardization that can be taken up in future. gave presentation on the ETSI standards for trust services and digital signatures, ISO signature format standards and ETSI AdES standards.</p>			
19	E	22-09-2021	5G Tests & Pilots: Collaborative Webinar 5G-IA and India TSDSI	<p>TSDSI and 5G-IA are jointly organising a webinar on 5G Tests &amp; Pilots (T&amp;P).</p> <p>The objective of this webinar is to enable the sharing of information, data, lessons learnt and areas for collaborative 5G Tests and Pilots. It will present examples of 5G T&amp;Ps implemented in 5G “hot verticals”, such as smart city, smart grid, media broadcast and media production from Europe and India.</p>	<p><b>During the event, presentation was given on</b></p> <p>- 5GIA Framework- Over view of 5GIA organisation , phased manner of taking 5G Stanadards development and Concept development of Proof of Concept by way of Test and Pilots, 5GPPP Key achievements and global impact by Colin Willcock (5G-IA Chairman, Nokia)</p> <p>- 5G Trials and Pilots Framework in India - Overview of 5G policy , spectrum allocation and trials being conducted by the CMSPS, 5G Test bed activities and Astrome Technologies involvement with the field trials BY Astrome Technologies Pvt Ltd</p> <p>- 5G Smart Grid - From NRG-5 Trails to Smart5grid by Dr Irina Ciornei (KIOS Research Center) and/or Daniele Porcu (Enel) provided details of Lessons learnt from NRG-5 Project- vPMU Trials, from vPMU in NRG-5 to 5G enabled smart grid services, trial descriptions, pre-pilot for the vPDC trial. Details of the demos carried out in Itlay, Spain and Greece. Mr A K Mishra (NPMU, National Smart Grid Mission- NSGM) talked about traditional Vs. Smart Grid, technologies used in the Smart Grid in India , Smart</p>	N/A	Closed	ICT

					<p>Grid drivers, technologies available for Smart Grid</p> <ul style="list-style-type: none"> <li>- - 5G Smart City, Prof. Pedro Merino (5GENESIS, University of Malaga) and Prof Arzad Alam Kherani (IIT Bhilai)</li> <li>- 5G Broadcast : Dr Belkacem Mouhouche (Samsung, 5G-XCAST and 5G-Tours H2020 projects, 3GPPP standardization) and Mr Prashant Maru, VP (Sales and Business Development for Broadcast and Converged Networks), Saankhya Labs</li> <li>- 5G Media production : • Mr Ran Rahav (LiveU, 5G-Solutions, 5G-Tours and 5G-Records H2020 projects)</li> </ul>			
20	I	22-09-2021 to 23-09-2021	ETSI Board meeting#134	<p>ETSI Board Meeting No. 134 was held on 22nd &amp; 23rd Sept 2021.</p> <ul style="list-style-type: none"> <li>- The outreach session took place at the opening of day 2 of the Board (Thursday 23 at 14h30 CEST)</li> <li>10+ 10 SESEI</li> </ul>	<p>SESEI Presented a summary report of the SESEI Project ,</p> <ul style="list-style-type: none"> <li>- Role of SESEI in supporting EU Standards and Standardisation community in India</li> <li>- its key achievements</li> <li>- Findings and key results from the SESEI Survey</li> </ul>	Follow up action items	Closed	Generic
21	E	23-09-2021 to 24-09-2021	5th edition of 5G India 2021 Virtual Conference & Exhibition, organised by Bharat Exhibitions in collaboration with Broadband India Forum	<p>The objective of the 5G India 2021 Virtual Conference &amp; Exhibition is to spread awareness of the capability and benefits of 5G to any and all sectors be it Telemedicine, Remote surgery, Agriculture, Education, Industry 4.0, Smart City, Augmented reality, Autonomous driving etc to attain the goals of</p>	<p>The two day conference on 5G Technologies had many eminent speakers from Indian Industry, Policy Makers and Academia. Some international speakers also presented during the conference. The key topics for discussion / presentation were</p> <ul style="list-style-type: none"> <li>- A Policy Roadmap for India's Transition to a Digital Economy</li> <li>- Open RAN Infrastructure for 5G</li> <li>- 5G Infrastructure &amp; Future Business Models</li> </ul>	N/A	Closed	ICT

				Digital India as per the vision and mission of the Government of India.				
22	M	24-09-2021	Virtual meeting of the TEC Consultative Committee for adoption of oneM2M Release 3 specifications	Post transposition of oneM2M Release 3 standards by TSDSI, TSDSI has asked TEC to make them as National Standards. To discuss these list of specification TEC called for a meeting with Industry	During the meeting DDG TEC, briefed the member the background around adoption of oneM2M Release 2 specification as National Standards and asked the member to implement the same as it has also been endorsed by the ITU. Further during the meeting, release 3 specification and difference were discussed and presented by TSDSI Members including CDOT and Sensorise. Meeting concluded DDG asking the members to review and provide comments/inputs. SESEI participate in these meeting to ensure the timely adoption/transposition of these standard and highlight benefits in doing so	adoption of oneM2M release 3 by India	Closed	ICT
23	E	24-09-2021	BIS Webinar on Multi Cloud Data Management - Problems and Solutions	This webinar was organised to serve as open platform for discussing various challenges arising in the area of Multi-cloud environment and how those challenges can be eased by standardization.	This webinar was organised and steered by the LITD Division of BIS. Ms. Reena Garg, Head LITD Provided <ul style="list-style-type: none"> <li>- Overview of Standardization efforts by BIS</li> <li>- ISO/IEC JTC 1/SC 38 (Cloud computing &amp; distributed platforms) and Multi-cloud</li> <li>- Open Data Framework for Hybrid Data Management</li> <li>- Multi Cloud Security</li> <li>- Portability in Multi cloud</li> <li>- Multi Cloud Data Integration and Governance</li> </ul>	N/A	Closed	Electrical Equipment including Consumer Electronics

24	I	27-09-2021	Meeting with Ms. Christi Jarita, CENCENELEC on issues related to Circular Economy and Resource Efficiency (CE&RE) status in India	SESEI shared a draft document on Policy Initiatives around Circular Economy and Resource Efficiency in India. SESEI also prepared a comprehensive presentation based on the draft document.	CEN-CENELEC Priority WG on Circular Economy, requested SESEI expert to provide updates on CE&RE in India. In this regards, SESEI team prepared a special report on "CIRCULAR ECONOMY & RESOURCE EFFICIENCY IN INDIA: Policy and Standardization" during the meeting with Ms. Christi Jarita, CENCENELEC and Ms Kristina from SIS on issues related to Circular Economy and Resource Efficiency ( CE&RE) status in India.	Successful organization of webinar for India.	Closed	Energy Efficiency and Environment including Circular Economy
25	E	28-09-2021	BIS webinar on "IT and IT Enabled Services - Opportunities and Standardization	<p>As the National Standards Body of India, Bureau of Indian Standards took the initiative to create awareness about the importance of IT &amp; ITes and started standardization activities under IT and IT enabled Services sectional committee, SSD 10.</p> <p>As one of the promotional drives, BIS organised a Webinar on 'IT and IT Enabled Services – Opportunities and Standardization'.</p>	<p>India's IT and IT Enabled Service (IT &amp; ITes) is the leading outsourcing destination across the world, accounting for approximately 55% of global market share and it contributes significantly to the Indian economy accounting for 8% of India's GDP in 2020. In the present state of rapid digitization and the timely transition to remote working environments, India is the topmost offshoring destination for IT companies across the world. BIS has started standardization activities in the field of IT &amp; IT enabled services to enhance India's capabilities in delivering services to Indian and global clients.</p> <p>SESEI was invited by Bureau of Indian Standards (BIS) as a key speaker to share his knowledge and expertise on "Global perspective of standardization in IT and IT enabled Services".</p> <p>SESEI shared slides to cover topic of "Global Perspective of Standardization in IT and IT Enabled Services" and provides updates from CEN-CENELEC-ISO/IEC/JTC1 etc. and EC on Generic Services.</p>	N/A	Closed	Services

					The webinar facilitated eminent speakers and domain experts to share the best practices and their experiences in IT & IT enabled services.			
26	I	29-09-2021	Conference call meeting with Ms. Margot Dor, Main Coordinator for Project SESEI	Meeting to discuss the pending action items and status	During the meeting following agenda items were discussed and way forward decided. - BIF MoU address change request - EN 301 549 adoption request mail from BIS - SESEI Survey and way forward - DECT activities in India - Priority India WG activities and status	Timely closure of pending action items	Closed	Generic
27	M	30-09-2021	Virtual meeting of the TEC committee for "Finalizing IoT / ICT standards for Smart cities"	The document on "Finalizing IoT / ICT standards for Smart cities" is in the stage of finalization.. A number of short meetings are being held with chairs, concerned members to finalize the draft document soon.	During the meeting inputs/comments received from members were discussed to be incorporated in the document.  SESEI expert is a member of this WG and contributed EU/Global work around policy and standardisation on this priority topic.	Continue working with TEC to finalize this document	Closed	ICT/Smart cities
28	E	30-09-2021	Interaction with Shri Saurabh Gaur, IAS, Joint Secretary, MeitY and Meeting of the FICCI National Committee on ICT and Mobile Manufacturing	An Interactive session with Shri Saurabh Gaur, IAS, Joint Secretary, MeitY and Meeting of the FICCI National Committee on ICT and Mobile Manufacturing was organized by FICCI. Shri Saurabh Gaur, IAS, Joint Secretary, Electronics Hardware, Ministry of Electronics and Information Technology, Govt of India, shared an overview of the	Agenda of the meeting was as below: - Opening Remarks By Mr. Virat Bhatia, Chairman, ICT and Mobile Manufacturing Committee, FICCI - Update from Sub-committees - Discussion amongst members of key issues and focus areas - Interactive discussion of members with Joint Secretary, Ministry of Electronics and IT, Government of India - Presentation on Dubai Expo by FICCI Expo Representative - Vote of thanks	N/A	Closed	Electrical Equipment including Consumer Electronics

				key priorities for the Electronics Manufacturing sector, especially mobile devices				
29	M	02-08-2021	Meeting on Railway Standards with Mr. Javed Afaque Principal Consultant, Équipe Qualité Consultants	A meeting was requested by Mr. Javed Afaque from Équipe Qualité Consultants to discuss status update on the railway standards in India and the European railway standards.	<p>During the meeting SESEI provided a detailed overview of the Project SESEI and its priority sectors. SESEI also exchanged update on the India around RAIL.</p> <p>SESEI expressed the desire to work with Indian Authorities around the subject of RAIL Standards especially RDSO and other industry associates having an interest around this sector standards and its harmonization.</p> <p>Équipe Qualité Consultants are working on EN 15085 series of standards for welding in railway vehicles (prepared by Technical Committee, CEN/TC 256). Équipe Qualité Consultants expressed the desire to be associated with SESEI activities related to EN 15085 or other standards of CEN/TC 256.</p>	Continue working to promote EN railway standards in India	Closed	Railways
30	M	03-08-2021	Meeting with the Head of International Relations Department of BIS and Head of the Services division	SESEI requested and held a telephonic meeting with the Head IRD, BIS on the issues related to various issues and seek status update on many action points pending. The following agenda items were discussed in detail: <ul style="list-style-type: none"> <li>- MoU BIS-CEN CENELEC</li> <li>- MoU BIS-ETSI</li> <li>- EN-81/EN-115 license</li> </ul>	The meeting held with the IRD head was very productive. 1. MoU BIS-CEN CENELEC Update: Next step post our confirmation that we are okay with the suggested changes is – BIS will send back the file back to DPIIT (who has suggested changes) that proposed changes are incorporated and are okay with the CEN-CENELEC, post which the file will come to BIS with their okay. Post this they will be able to share us the final copy of MoU. I have asked them to send the MoU in a ready to signature format, which they have agreed. Shall I go ahead	Follow up action items	Closed	Generic



				<p>agreement</p> <ul style="list-style-type: none"> <li>- Meeting request with Head of Services</li> <li>- Procedure for Lab recognition of Foreign Manufacturer</li> <li>- Joint Webinar &amp; meeting on topics of Mutual Interest such as Market Surveillance, Installation Rules – CB Scheme, Circular Economy etc.</li> </ul>	<p>confirming below with you all in copy to this email.</p> <ul style="list-style-type: none"> <li>- We are okay with the suggested changes by BIS and look forward to a final copy of the MoU ready for approval and signature at our end.</li> </ul> <p>2. MoU BIS-ETSI Update: File has gone to DPIIT now for their final comments/approval.</p> <p>3. EN-81/EN-115 license agreement Update: They want to extend the EN-115 agreement which has expired (as enclosed) for another two years on similar T&amp;C and include the EN-81 also in it. The detailed generic license agreements one for CEN and one for CENELEC will be processed post closure of MoU and once agreed/finalized these license agreements, temporary two-year agreement of EN-115+EN-81 will be replaced by these formal CEN-CENELEC agreements. If this is okay for CEN-CENELEC, they will share the draft Indian Standard based on EN-81 for our review and approval to ensure that it is technically equivalent or identical adoption as is the process used for EN-115 adoption. They will send a formal email request on it.</p> <p>4. Meeting request with Head of Services Update: They have identified list of CEN-CENELEC standard some 20 of them already and more may come from another service standardization unit. They are interested to study and explore possible adoption (identical or technically equivalent). BIS</p>			
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					<p>will soon send this list of standards, have a copy of these standards, and share these standards to their technical committee for review and approval for their adoption. If needed, they would like to have a further discussion/webinar or technical session on these standards as well.</p> <p>5. Procedure for Lab recognition of Foreign Manufacturer Update: They are following up with the BIS Department of Lab certification, shall come back soon.</p> <p>6. Joint Webinar &amp; meeting on topics of Mutual Interest such as Installation Rules – CB Scheme, Circular Economy etc. Update: They would be happy to have a Webinar on topics of mutual interest and carry out discussion on standards/activities around these topics. Have asked me to send a formal email on this request and its proposed timelines after October'21.</p>			
31	E	03-08-2021	Webinar on "Exoskeleton Robots and Standards" hosted by BIS	<p>The Production and General Engineering Department (PGD) Division of BIS organised a Webinar on "Exoskeleton Robots and Standards".</p> <p>As one of the promotional drives of Bureau of Indian Standards to create awareness about the standardization work being done in the field of</p>	<p>The main issues discussed during the webinar was;</p> <p>1) To discuss the possibilities of developing an Indian standard stating the performance requirements, safety and other requirements for various types of exoskeletons robots being produced in India or imported from overseas manufacturers.</p> <p>2) To access the work of various Indian organisation in the field of exoskeleton robots.</p> <p>3) To apprise about the current development taking place at the level of International Organization for Standardization (ISO).</p>	N/A	Closed	Generic

				<p>Exoskeleton Robots amongst various stakeholders engaged in the manufacturing, regulating, testing, using &amp; scholars from R&amp;D etc.</p>	<p>4) To identify organization/ individuals who can be co-opted in the committee for contributing in the standard formulation work. 5) To approach the industry for BIS Certification to improve the overall quality level.</p> <p>SESEI attended the Webinar to understand the topic and proposed standardisation activities.</p>			
32	M	04-08-2021	<p>Fourth Panel meeting of Electronic Consent Management of SSD-II 10 :P3 of BIS</p>	<p>The fourth panel meeting on Electronic Consent Management, SSD 10/P-3 was held on 4th August 2021. This meeting was convened by SESEI as chair of the Panel.</p>	<p>SESEI Expert is the convenor of this panel. The highlights of the meeting are as under;</p> <ol style="list-style-type: none"> <li>1. The panel reviewed the response provided by Mr. Kshitij Bathla, LITD 17, Member Secretary on ISO/IEC 29184 – Online Privacy Notice and Consent standard and after having detailed discussion on the responses, the panel decided not to continue in preparing the Indigenous standard on Electronic Consent Management as existing ISO/IEC 29184 standard addresses all the requirements and justifies the thought process of this panel on consent management.</li> <li>2. the process of adoption of ISO/IEC29184 have been completed and at present this draft standard is with the publication department and it will be published soon as Indian Standard.</li> <li>3. The convenor suggested the members if they are interested to contribute in this area they may send a request to LITD 17 member secretary for becoming the member in the LITD17 technical committee.</li> </ol>	<p>Continue working with SSD-II 10: P3 of BIS and promote EN standards</p>	Closed	Services

					<p>4. The convenor also suggested that if the members are interested how the standard have been implemented in real scenario including other Data Privacy related ACT/LEGISLATION like GDPR in Europe, they can invite igrant.io officials for conducting a webinar session.</p> <p>5. It was informed that the members that LITD 17 sectional committee have also published two indigenous standards on Data Privacy Assurance i.e.; IS 17428 Part 1 : 2020, - Data Privacy Assurance Part 1 Engineering and Management Requirements and IS 17428. Part 2 : 2020 - Data Privacy Assurance Part 2 Engineering and Management Guidelines</p>			
33	E	06-08-2021	IET Webinar on Embracing Industrial Automation and Robotics – Guidance for MSMEs.	IET India held its periodic webinar on Embracing Industrial Automation and Robotics – Guidance for MSMEs.	<p>In this 40th episode of the IET India Digital Conversation, curated by the manufacturing working group of the IET Future Tech Panel, in partnership with Siemens and an expert panel of speakers explained and provided practical insights for a wider deployment and application of industrial automation and robotics in Indian manufacturing.</p> <p>Speakers:</p> <ol style="list-style-type: none"> <li>1. AN Chandramouli, Ex-MD, Board Member, Starrag India</li> <li>2. Dilip Sawhney, MD, Rockwell Automation India</li> <li>3. Subramanya M R, VP, Industrial Automation, Siemens Technology India</li> <li>4. Moderator: Anandi Iyer, Head, Fraunhofer India.</li> </ol>	N/A	Closed	ICT

					SESEI Expert attended the webinar to understand the activities around this priority topic.			
34	M	09-08-2021	TEC virtual meeting of Working Group on "IoT and 5G applications in Smart Grid	<p>In the meeting, the working group on "IoT and 5G applications in Smart Grid discussed the information captured in the draft document at length and updates done:</p> <ul style="list-style-type: none"> <li>- Intimated in the section related to 'Existing Communication Technology' link of the document released by TEC in 2017 and another to be released shortly may be given instead of repeating details of all communication technologies.</li> <li>- Informed members these are only the preliminary details from ITU and other documents and this draft document has to be developed further. Hence requested members to work offline on the draft.</li> </ul>	<p>Highlights of the meeting are as under;</p> <ul style="list-style-type: none"> <li>- diagram added in the section -3 on "Architecture overview for Smart Grid in ICT perspective" .This diagram is having two layers i.e. Power System layer and communication layer.</li> <li>- Power distribution and consumption are the potential areas from the IoT point of view and we may standardize these two areas.</li> <li>- the scope of this work group is use of IoT and 5G in Smart Grid, so irrespective of the specific segment of the grid i.e. Generation , Transmission etc we need to extract communication related key characteristics e.g. latency, throughput etc. at different points within the smart grid and map them with the available technologies.</li> <li>- identifying the use cases, a Smart Grid Architecture with two different flows, one with the power and other with data or communication flow may be finalised. Once the architecture having the major building blocks of smart grid from the generation to the distribution to the consumption is drawn then it will be very easy to identify the use cases.</li> <li>- PGCIL is already having huge fibre network and can have use-cases built on the existing technologies available to avoid delay in deployment. On this DDG(IoT) updated that 5G features may be used in Smart Grid as per requirements of the use case, however 5G can also be used in backhaul.</li> </ul>	Continue working with TEC on this subject	Closed	Electrical Equipment including Consumer Electronics

					<p>- DDG(IoT) opined that we may have more use cases in distribution and consumption and relatively less in Generation &amp; transmission. We need to identify them and map relevant technology with it. The new generation of communication technologies should cover all the segments of the grid. DDG(IoT) requested members to provide use cases related with the Smart Grid from all the four segments.</p> <p>SESEI expert is a member of this WG and contribute work of EU/Global Standards on this ICT &amp; Electrical Equipment Priority topic.</p>			
35	E	09-08-2021	Private Capital Mobilization in Road Safety	<p>FICCI &amp; THE WORLD BANK jointly organised a Webinar on PRIVATE CAPITAL MOBILISATION IN ROAD SAFETY</p>	<p>At the webinar, Minister of Road Transport &amp; Highways, Mr. Nitin Gadkari said that with cooperation and contribution from the private sector we can save thousands of lives in road accidents.</p> <p>Efforts like SAFAR can be helpful for the private sector to frame effective policies &amp; appropriate practices towards improving road safety scenarios at work.</p> <p>Mr. Hartwig Schafer, Vice President – South Asia Region, WorldBank said that there are possibilities for raising market finance through the capital market, including the idea of social bond:</p> <p>SESEI expert attended the Webinar to understand the Govt and Market view on this priority topic.</p>	N/A	Closed	Smart Mobility

36	E	10-08-2021	Webinar on "Standardization in Transportation Services - Challenges and Solutions"	<p>Transport services is one of the most important factors for a country's progress which ensures everyday mobility of people and is also crucial to the production and distribution of goods. Good physical connectivity in the urban and rural areas is essential for economic growth of the country and broaden the market for goods and services. Standardization is essential for providing consistent good services to the consumer. The implementation of service standards mitigates the problem of inconsistent quality of service, as standardized services signal assurance of a certain minimum quality. As one of the promotional drives of Bureau of Indian Standards to create awareness about the standardization activities and importance of this sector, this Webinar was organized on 'Standardization in</p>	<p>Objectives of the BIS Webinar is as under;</p> <ol style="list-style-type: none"> <li>1. To create awareness and share importance about the Transport &amp; Logistic Services.</li> <li>2. Share and discuss the new draft Indian standard on "Transportation of Over Dimensional Consignment (ODC)" and invite comments for further improvement. The draft document is attached.</li> <li>3. Apprising about National and International laws, permissions and approvals, challenges and future technological advancements relevant to ODC.</li> <li>4. Highlighting importance of safety, security for transport services and indicators &amp; benchmark for sustainable urban transport. Identification of new subjects for standardization.</li> <li>5. To identify Organizations / individuals having expertise in Transport &amp; Logistics Services who can be co-opted in the committee as member.</li> </ol> <p>SESEI expert attended the Webinar to understand the latest standardisation activities at BIS on this Priority Topic.</p>	N/A	Closed	Services
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				Transportation Services – Challenges and Solutions’				
37	E	10-08-2021	Webinar - World of Standards:M2M/IoT & Emerging Technologies	Invest India is the National Investment Promotion and Facilitation Agency of the Government of India, mandated to facilitate investments into India. It operates under the aegis of the Ministry of Commerce and Industry, Government of India, and serves as the preferred point of reference for investors considering a location, industry, or partner in India. They requested a meeting with SESEI to seek inputs and information on standardisation in the IoT Space.	<p>SESEI was approached by the Invest India to share his knowledge and expertise in the domain of IoT Standardisation both in India as well as Europe and Globally. SESEI also engaged TEC and CDOT in the webinar to provide comprehensive information on the IoT standards , its deployment etc to the Invest India and Ministry of Electronics and Technology Officials .</p> <p>During the webinar speakers SESEI, Mr. Sushil Kumar, Director IoT, TEC and Mr. Aurindam Bhattacharya, GL CDoT presented and shared updates around M2M/IoT activities, National Standards and Platform Pilot etc.</p> <p>The highlights of the webinar were Overview of project SESEI , role of standards especially for businesses, entrepreneurs, start-ups</p> <ul style="list-style-type: none"> <li>- world of Standards, how this ecosystem works, how harmonization of standards takes place to address Interoperability, economies of scale and strengthen the trade.</li> <li>- latest status of standards around emerging technologies.</li> <li>- IoT Standards, Role of OneM2M and deployment of IoT Standards worldwide</li> <li>- Nationalisation of IoT / M2M standards in India by TEC and its role in Smart Cities</li> </ul>	N/A	Closed	ICT



38	M	12-08-2021	First meeting of the Consultative Committee for adoption of oneM2M Release 3 standards	<p>It was intimated that oneM2M Release 2 specifications (14 TS out of 17, 3 TS have been dropped being outdated), transposed by TSDSI, have been adopted as National standards by TEC. These National standards are available on TEC website and may be downloaded using link (<a href="https://tec.gov.in/onem2m">https://tec.gov.in/onem2m</a>) .</p> <p>It is intimated that TSDSI has transposed oneM2M Release 3 documents and has submitted to TEC for considering them for adoption/ ratification. These documents consist of 24 Technical Specifications and 3 Technical Reports on various subjects.</p>	<p>For the formation of Consultative Committee (CC), nominations were sought from the related stakeholders. Nominations have been received from 16 organizations. To carry forward the activities, first/ introductory meeting of the nominated members of CC was held on 12th August 2021. The agenda of the meeting included inviting nominations for Vice-chairs, Rapporteurs and presentation on oneM2M Release 3 specifications.</p> <p>The adoption process is based on standardization guide (available on <a href="https://tec.gov.in/standards-adoption-policy">https://tec.gov.in/standards-adoption-policy</a>) and the role of Consultative Committee, as detailed in this guide, shall be to collate public comments against the standard, review them and accordingly prepare a report towards inclusion or rejection of those comments.</p> <p>SESEI expert is a member of this WG and is promoting timely adoption of oneM2M specifications as National Standards</p>	Continue work with TEC for adoption of oneM2M Release 3 standards	Closed	ICT
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39	E	13-08-2021	Awareness session on changes in 2020 Edition of EN 15085-2	EQC India organised an online awareness session covering major changes in the 2020 edition and key features of the EN 15085-2 standard Mode.	<p>A safe rail transport system cannot be guaranteed without a high level of quality. This applies both to the operation of railway vehicles and their manufacture and maintenance. Welding and joining processes, in particular on load-bearing structures, require special attention.</p> <p>The EN 15085 standard series applies to the design, manufacturing, testing and conformity assessment of welded railway vehicles, components and assemblies. It sets requirements for the quality system, welding process approvals, as well as performance qualifications for welders and welding operators.</p> <p>EN 15085-2 titled Railway applications-Welding of railway vehicles and components-Quality requirements and certification of welding manufacturer has been revised in October 2020. New certifications and recertification activities are now based on the revised standard. The topics covered in the awareness session were ;</p> <p>SESEI expert attended the session as Railway is a Priority Sector now and webinar gave an opportunity to attend more around EN 15085 and its implementation in India.</p>	N/A	Closed	Railways
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40	M	16-08-2021	Virtual meeting of the TEC for "Finalizing IoT / ICT standards for Smart cities"	The document on "Finalizing IoT / ICT standards for Smart cities" is in the stage of finalization.. A number of short meetings are being held with chairs, concerned members to finalize the draft document.	<p>At the meeting, Mr. Sushil Kumar, DDG (IoT) informed that:</p> <p>a. This document is in the stage of finalization, some of the sections are already complete, few are required to be reviewed and finalized. A number of short meetings were also held with chairs, concerned members to refine the draft document after the last meeting. Executive Summary has also been added in this document.</p> <p>b. TEC started working on two work items around two years back, namely 'Finalizing IoT/ ICT standards for Smart cities' and 'Adoption of oneM2M Release 2 specifications', both related with the development of IoT eco-system in Smart cities. oneM2M Release 2 specifications have already been adopted as National Standards and are available on TEC website (<a href="https://tec.gov.in/onem2m">https://tec.gov.in/onem2m</a>).</p> <p>c. BIS has referred the above TEC National Standards (TEC 30001:2020-30023:2020) for IoT as normative/ informative references in its standard IS 18004-1 on IoT Reference Architecture, which has been submitted to Ministry of Housing and Urban Affairs (MoHUA) for adoption in Smart Cities.</p> <p>d. While refining the document it has been observed that content in Section 1.2 seems to be more relevant to Section 3.2 (Initiatives</p>	<p>Continue working with TEC to finalize this document.</p> <p>The inputs provided by SESEI on " Smart City: Policy Initiatives and standardizati on work in Europe" have been well considered in this report</p>	Closed	ICT/Smart cities
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					<p>taken by TEC in M2M/ IoT domain) and can be shifted. Members may give their opinion on this.</p> <p>e. Heading of Section 2 has been changed to 'Smart Cities Challenges' and it has been refined also.</p> <p>f. Section 3.2 has been updated related with the Technical Reports. Technical Report on 'Emerging Communication Technologies and Use Cases in IoT domain' covering 5G related use case, Wi-Fi 6, Wi-Fi HaLow, BLE Mesh etc. is expected to be released this month. Document on 'Code of practice for securing Consumer IoT' has been released recently and uploaded on TEC website (<a href="https://tec.gov.in/M2M-IoT-technical-reports">https://tec.gov.in/M2M-IoT-technical-reports</a>).</p> <p>g. Section 3.5 (MoHUA Policies) has been refined with the help of Mr. Aurindam Bhattacharya, C-DOT</p> <p>h. Section 3.9 (The National Smart Grid Mission (NSGM)) has been frozen on the basis of inputs received from Mr. Arun Mishra, NSGM.</p> <p>i. Section 4.5 (Smart Cities initiatives in Japan) has been refined based on the inputs from Mr. Prasun Agarwal, IUJ Japan.</p> <p>j. Section 4.7 (Standardisation activities in different SDOs) has been updated and links have been added.</p> <p>k. A diagram on Smart City ICT Architecture, provided by Mr. Aurindam</p>			
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				<p>Bhattacharya, has been added in Section 5.6 (Platform). It has both IoT as well as non IoT data, various applications and also mentions how the IoT platform will work with the other platforms.</p> <p>l. Input relevant to this document has been added from the contribution received from Ms. Parul Shribatham and Mr. N. Murugesan, ISGF on Section 5.7.1 (Energy). However other important items may be considered for inclusion in another TEC document on Smart Grid, in which applications of IoT and 5G in Smart Grid are being studied and discussed.</p> <p>m. Members may review Section 5.7.2. (CCTV based real time safety system (City Surveillance)). Mr. Prasun Agarwal, IUJ Japan may suggest some use-cases/ requirements related to this sector. DDG (IoT) suggested that we may include the type of applications that may be developed from the data being received from various smart devices in a Smart City. Mr. Sharad Arora opined to address standardization gaps also in these requirements.</p> <p>n. Section 6 (Recommendations) has been updated.</p> <p>2. Mr. Sharad Arora, Sensorise provided the link for TSDSI report on NB-IoT (<a href="https://members.tdsi.in/index.php/s/i7QMwwGk7maWks7">https://members.tdsi.in/index.php/s/i7QMwwGk7maWks7</a>). This link has been added in the document.</p>			
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					<p>3. Mr. Manvendra Singh, SenRa mentioned that smart water meters are being deployed on LoRaWAN technology. Mr. Aurindam Bhattacharya suggested to include other communication technologies also, that are being used for Water Management. DDG (IoT) requested Mr. Manvendra Singh to give reference of the figure available in the Section 5.7.4 (Water Management).</p> <p>SESEI expert is a member of this WG and contributed EU/Global work around policy and standardisation on this priority topic.</p>			
41	M	17-08-2021	BIF Committee Meeting on ICT for Inclusive Ability (PwD)	<p>Broadband India Forum called its periodical meeting of the Working Group on ICT for Inclusive Ability (PwD). SESEI is the Vice Chair of this working Group through which he is promoting adoption of EN 301549</p>	<p>The main agenda of the meeting was as under:</p> <ol style="list-style-type: none"> <li>1. Update on the action items from the last meeting.</li> <li>2. GAAD 2021- plan for next event/list of speakers/date of the event.</li> <li>3. Status of EN 301 549 adoption by India.</li> <li>4. AoB.</li> </ol> <p>SESEI expert is a Vice Chair of this WG and promote/support the EU work such as adoption of EN 301 549. In the meeting plan to carry out a follow-up Webinar and desired topics were discussed.</p>	Continue promoting EU work around this priority topic and adoption of EN 301 549	Closed	ICT
42	E	18-08-2021	IoT Summit (Virtual)	<p>Federation of Indian Chambers of Commerce &amp; Industry organized webinar on 3rd Rajasthan IoT Summit</p>	<p>At the webinar organized by FICCI, speakers spoke on "role of IoT in various segments"</p> <ul style="list-style-type: none"> <li>- IoT Adoption in Enterprises</li> <li>- IoT for Construction and Facilities Management</li> <li>- Affordable IoT for Business Operations</li> <li>- Industry 4.0 – Reinventing Manufacturing</li> <li>- IoT for Energy &amp; Utilities</li> </ul>	N/A	Closed	ICT

					SESEI expert attended the Webinar to understand the views and status of IoT implementation in India.			
43	E	18-08-2021	The Digital Dialogues on 'Satcom & 5G – The Final Frontier' by BIF	<p>BIF organised the session of The Digital Dialogues on the theme of 'Satcom &amp; 5G – The Final Frontier' .</p> <p>A BIF White Paper articulating the finer aspects of Satcom's role in 5G, was also released during the session.</p>	<p>With 5G fast approaching its imminent deployment in India, various use cases and business models are being explored for the efficient and optimum delivery of its wide benefits. Satellite Communications (Satcom), a fast emerging means of Digital Connectivity, would have a key role to play in this regard - initially to bridge the coverage gaps in 5G due to terrestrial technologies, and later to be inducted into the mainstream. Identifying this extremely relevant role of Satcom going forward, which would be a determining factor for the successful implementation of 5G across the country,</p> <p>The session included a panel discussion with the esteemed speakers deliberate on critical aspects of role of satellites in 5G, progress of integration of Satellite into global 5G standards, implications of technology advancements, user requirements, various new use cases and the recommended way forward for India in this vital domain.</p> <p>SESEI expert attended the Webinar to understand the status of Policy and Standards around the topic of Satellite Communication</p>	N/A	Closed	ICT

44	M	23-08-2021	Meeting of Working Group on “IoT and 5G applications in Smart Grid”	In continuation of the meeting held on 9th August 2021, a drafting session of the Working Group on “IoT and 5G applications in Smart Grid” was held on 23.08.2021.	<p>During the meeting , comments and discussions held during the last meeting on used cases in the domain of Smart Grid Architecture with two different flows, one with the power and other with data or communication flow may be finalised</p> <p>SESEI is a member of this WG and contribute EU work around this priority topic. During meeting SESEI suggested to include more stakeholders already working on this subject such as ISGF and NSGM to ensure proper input/suggestions are recorded and avoid the duplication of work and efforts</p>	Continue working with TEC on Smart Grid	Closed	ICT
45	E	24-08-2021	BIS Webinar on Low Voltage Direct Current (LVDC) -: “The Future of Electricity Usage”	BIS organised a Webinar on the "LVDC: The future of electricity usage : Webinar on Low Voltage Direct Current",	<p>Modern electrical and electronic devices/equipment operate on DC (internally). PCs, LED lights, televisions, mobile phones, and other electronic appliances operate on DC, which is converted from the conventional AC network. In renewable sources like Solar PV, electricity is generated as DC and is converted to AC and supplied to the existing AC network. AC/DC and DC/AC Conversions happen with power loss. The losses during the conversion can be significantly reduced by LVDC (Low Voltage Direct Current) networks.</p> <p>Advantages of LVDC networks are:</p> <ul style="list-style-type: none"> <li>• Reduced AC/DC and DC/AC conversion, Improved energy efficiency,</li> <li>• Direct usage of renewable source such as solar PV,</li> <li>• Energy efficient equipment like BLDC fans, LED lights,</li> <li>• Safety, power quality,</li> </ul>	N/A	Closed	Electrical Equipment including Consumer Electronics



					<ul style="list-style-type: none"><li>• New opportunities.</li></ul> <p>During the webinar an overview of LVDC &amp; Electricity Access was presented by the speakers</p> <ul style="list-style-type: none"><li>- International Standardisation in LVDC by Vimal Mahendru</li><li>- IS 16711- Guidelines for 48 V ELVDC Distribution Systems</li><li>- LVDC : Powering the Last Mile - Challenges &amp; Opportunities in Implementation .</li></ul> <p>SESEI expert attended the webinar to understand the latest around this topic, which was earlier through efforts were aligned with IEC to avoid loca/Indian standard around this topic.</p>			

46	E	25-08-2021	TSDSI organised a webinar on "Private Wireless Networks for Smart Factory and its Used Cases"	WEBINAR on "PRIVATE WIRELESS NETWORKS for SMART FACTORY Use Case" along with "Live Virtual Tour of a Smart Factory that uses Private Wireless Networks" organized by TSDSI	<p>The objective of this session was to raise awareness about benefits that can be accrued to Industry 4.0 with the power of connectivity/technology (4G advanced/5G and 6G in future). It focused on the Private network setup and Various Industry 4.0 use cases deployed in a Manufacturing facility based in Chennai, India.</p> <p>Session Moderator: Mr Vijay Madan, Convener TSDSI Application Services Layer Standards Task Force and Mentor &amp; Advisor- Services and Solutions Speakers: Mr Randeep Raina, CTO Nokia India; Mr Amit Anand, Private Networks - Strategy &amp; Technology, NOKIA &amp; Chennai Factory Team</p> <p>SESEI expert attended the webinar to understand the latest around this topic of ICT priority.</p>	N/A	Closed	ICT
47	E	25-08-2021	CII Virtual Conference: E-Waste Management in India : Circular Economy	The second edition of the Virtual Conference on `E-Waste Management in India : Circular Economy, organised by the Confederation of Indian Industry (CII), was held on 25th August, 2021 over Digital Platform. The conference focused on enhancing awareness about the impact on environment due to E-Waste and explore new business opportunities for Indian industry.	<p>Experts from Industry, Academia, Government and other institutions addressed the webinar to share their ideas to bring latest technologies for better management of E-Waste and reducing its impact on the environment in India.</p> <p>India is now officially the world's third-biggest e-waste generator, producing over 3.23 million metric tonnes of e-waste per year, behind the US and China.</p> <ul style="list-style-type: none"> <li>- 95 per cent of e-waste continues to be handled by the informal sector.</li> <li>- India's e-waste generation has risen nearly 43 per cent between FY18 and FY20. The pandemic-</li> </ul>	N/A	Closed	Circular Economy

				<p>The event was supported by the Ministry of Electronics &amp; Information Technology (MeitY); Ministry of Environment, Forest and Climate Change; Digital India and GreenE. The event is also supported by Consumer Electronics and Appliances Manufactures Association (CEAMA), Industrial Waste Management Association (IWMA), Manufacturers' Association for Information Technology (MAIT) and Material Recycling Association of India (MRAI) and have CII-ITC Centre of Excellence for Sustainable Development &amp; GreenCo as Knowledge Partners.</p>	<p>induced increase in use of electronic devices is set to accentuate this problem in future.</p> <ul style="list-style-type: none"> <li>- The first regulations to manage e-waste in India were introduced in 2011. They came into effect in 2012. The e-waste rules have been amended twice since, in 2016 and 2018.</li> <li>- The changes brought in 2016 provided more regulatory certainty by specifying gradual and increasingly stricter collection targets.</li> <li>-The latest changes brought in 2018 revised collection targets under EPR by 10 per cent every year until 2023. Thereafter, the target has been made 70 per cent of the quantity of e-waste generated.</li> </ul> <p>Discussions by the various stakeholders in the domain of Policy Makers, Industry , Consumer Organisations and environmental activists provided their views on</p> <ul style="list-style-type: none"> <li>- Regulations, Challenges-Awareness &amp; Implementation</li> <li>- Refurbishment and Recycling along with Product lifetime challenge , Robust Mechanism</li> <li>- Circular Economy on E-Waste sector</li> <li>- New Initiatives and Way Forward</li> </ul> <p>SESEI expert attended the Webinar to understand the latest around Policy and Standardisation around this priority topic of Circular Economy</p>			
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48	M	25-08-2021	Bureau of Indian Standards, (Service Sector Department – II), Third Study Group meeting of Digital Signature	The third meeting of the study group on Digital Signature was held on 25 August, 2021.	<p>During the meeting following discussions were held in detail</p> <ul style="list-style-type: none"> <li>- Review of Composition of the Study Group</li> <li>- BIS have shared ISO 14533 series and ISO/IEC 20248 standards with Mr. Naveen Chava and other members of study group vide email on 12 August 2021 for suggesting whether they can be adopted as Indian Standards.</li> <li>- Discussion on the Digital Signature.</li> </ul> <p>SESEI expert is a member of this WG and is promoting the ETSI/CENCENELEC work around this priority topic. During the meeting SESEI presented status of ETSI/CEN-CENELEC standards around the topic, which was prepared by Chair of ETSI ESI TC. SESEI also introduced Office from e-mudra who is also ASIA PKI member and is connected with Chair of ETSI TC ESI.</p>	Continue working with BIS on this subject and promote/contribute European work	Closed	Services
49	E	26-08-2021	Virtual Conference on 100 Smart Cities India	7th edition of Virtual Conference on 100 Smart Cities India 2021 with the theme – "Innovations Sustainability and development for Smart Cities.	<p>This forum traced the importance of various aspects of infrastructure that needs to be planned, designed, built and operated in order to provide the 'Smart' attribute to a city development, i.e. Integrated Command Control Centres (ICCCs), Smart Governance, Surveillance, network and communication Systems, AI, IoT, Innovative In-Building Solutions etc. It is going to bring together global thought leaders to explore the intersection of technology (Smart Mobility, Internet of Things, M2M, Cloud, Artificial intelligence, Renewable energy, Big data, etc), innovation, OSS/BSS, smart cities, skills, regional collaboration and education.</p> <p>The main discussion theme of the technical session</p>	N/A	Closed	Smart Cities

					<p>was ;</p> <ol style="list-style-type: none"> <li>1. Smart Future Technologies for the Transformation of our Cities</li> <li>2. Digital Transformation of Indian Cities Towards Smarter, Sustainable &amp; Safer Future</li> </ol> <p>SESEI expert attended the webinar to understand the latest on tis priority topic of the project.</p>			
50	M	26-06-2021	BIS - Second Working Group meeting on Cloud Services	ISO standards were shared with all the members prior to the meeting for discussion and debate on the same.	<ol style="list-style-type: none"> <li>1. Review of Composition of Panel, SSD 10/WG - 1. The Composition of the working group after the First Working Group as reviewed again</li> <li>2. The ISO standards were circulated with the working group members on; ISO/IEC 17788 , ISO/IEC 17789, ISO/IEC 19941-1, ISO/IEC 19086-4</li> <li>3. The LITD 31 member secretary was contacted to know the status of ISO/IEC 19941-1 standard and it was informed by the LITD 31 member secretary that the LITD 31 sectional committee in its last meeting have taken up ISO/IEC 19941-1 for adoption.</li> </ol> <p>- The consolidated list of ETSI standards related to cloud services was shared by Mr. Dinesh Chand Sharma and was attached. The members were advised to go through the list and suggest which may fit relevant in Indian context for standardization in future</p>	Continue working with BIS on this subject and promote/contribute European work	Closed	Services
51	E	27-08-2021	IET India Digital Conversations - Intelligent Transportation Systems & Internet of Roads.	Digital age city transportation like air taxis, self driving vehicles, Hyperloop, Uber and Internet of Roads has changed the whole urban	<p><b>Key takeaways:</b></p> <p>§ We are committed to reducing carbon footprint and the technologies of today play an integral role in this</p> <p>§ There is a need to think of transportation system as an experience</p>	N/A	Closed	Smart Mobility

transportation leveraging technologies. The Internet of Roads means connected roads networked together to better manage the traffic and provide recommendations to drivers to choose the right path to go to their destination. Internet of Roads also led to charging of roads for electric vehicles.

§ Technological innovations have enabled hyper connectivity. This has also led to changes in commuter behavioural pattern

- We are progressing towards a physical world which will have multiple models of transportation. Innovations in transportation need to be economical in India
- India is seeking to pioneer hyperloop technology, a high-speed mass transportation system enabler for both passenger and freight transport. In India, the first feasibility study for futuristic hyperloop facility was done in Andhra Pradesh for connecting Amaravati and Vijayawada
- India is qualified to implement an hyperloop system but the biggest challenge, which is not just unique to India, is the putting the entire system together. Some of the challenges that exist include the lack of regulation and standards specific to hyperloop technology and lack of awareness amongst people about the technology and its implementation
- Hyperloop is an experience. It is the most sustainable transportation system and therefore implementing this will have a positive impact on the user and the environment
- Setting up internet of roads within smart cities depends on policy changes and deployment of engineering innovations and technologies
- Future of transportation is a no travel no transport world
- City administration needs to understand how the city is going to evolve in the next few year, what the expectations of the city and its citizens and basis

					<p>this, a road map for city transportation needs to be designed</p> <ul style="list-style-type: none"><li>- Reengineering and reimagining engineering education and giving access to interdisciplinary projects to solve real life challenges can help embrace and implement new technologies and innovations</li><li>- Transportation in future needs to be economical and eco-friendly. Creating capacities to transport large number of people from one location to another should be a priority</li><li>- New technologies need to be tailored to fit the dynamism of roads specific to the Indian scenario. The data that we have currently is not enough for this. We need significant data from the assets that we have in field along with the domain experts in the physical areas</li><li>- Urban and rural connect is something that needs to be focused upon in order to manage infrastructure. This will require leadership, policy changes and provisioning of urban amenities in rural areas.</li><li>- Transportation systems with embedded sustainability is the way to go</li></ul> <p>SESEI expert attended the conversation to understand the latest around this topic of priority for the Project.</p>			
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52	M	27-08-2021	Meeting of BIS 5 of LITD 35/P1 Panel	BIS organized LITD 35/P1 Panel meeting on 27 August, 2021 to discuss on the comments received on the p-draft Standard- 'Accessibility for ICT Products and Services, Part-1 Requirements'.	The comments received on the p-draft of the standard-'Accessibility for ICT products and Services, Part-1 Requirements' through the BIS portal have been shared with the CDAC. CDAC may provide their clarification/justification for closure of the comments to proceed with getting the approval from the LITD 35 AAL Sectional Committee on Wide Circulation of the draft (WC-draft).  SESEI expert is a member of the Panel to support adoption of EN 301 549.	Identical or technically equivalent adoption of EN 301 549	Closed	ICT
53	E	31-08-2021	National Webinar and live interaction with stakeholders on "Data Privacy Assurance organised by BIS	To sensitize the stakeholders about these standards and to encourage organizations to use these standards Bureau of Indian Standards (BIS), the National Standards Body of India organized a National Webinar on "Data Privacy Assurance".	The Basic aim of this Webinar is to make aware the stakeholders about the requirements of these standards, to know about Industry's views/technological readiness for Data Privacy and to obtain feedback for further standardization areas for Data Privacy Assurance.  Privacy of Personal information is of utmost importance. To ensure data privacy assurance to individuals and to help the organizations who process data, Bureau of Indian standards has published two Indian Standards: - IS 17428 (Part 1) DATA PRIVACY ASSURANCE PART 1 ENGINEERING AND MANAGEMENT REQUIREMENTS - IS 17428 (Part 2) DATA PRIVACY ASSURANCE PART 2 ENGINEERING AND MANAGEMENT GUIDELINES  SESEI expert attended the webinar to understand	N/A	Closed	ICT



					the latest around Data Privacy Policy and related standardisation by BIS.			
54	M	31-08-2021	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"	This periodic meeting was mainly held to discuss the inputs received from WG members on "Draft Code of Practice for Securing Consumer Internet of Things (IoT)".	<p>At the meeting, Inputs/comments received on draft documents on "Security by Design Principles" and "National Trust Center for IoT" were discussed.</p> <p>TEC has published Code of Practice on Securing Consumer IoT, which is majorly based on EN 303 645. SESEI has been working on development of this standard with the help of ETSI TC Cyber.</p> <p>As a follow-up SESEI will continue working on its implementation by adopting TS 103 701.</p>	Continue working with TEC on this subject	Closed	ICT
55	M	02-07-2021	Virtual meeting of the TEC Working Group 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 finalisation of the same. SESEI has provided input to the document covering works in Europe.	Continue working with TEC on this document.	Closed	ICT

56	E	02-07-2021	CUTS Webinar on Proposed Amendments to the Consumer Protection (E-Commerce) Rules, 2020"	The Government , Ministry of Consumer Affairs, has proposed certain amendments to the consumer Protection ( E-Commerce ) Rules, 2020 and has sought public comments on the same.	<p>It is widely believed that the proposed amendments, if implemented, will add to the policy and regulatory uncertainty prevailing in the e-commerce space. It is also being termed as over regulation that trends to micro manage the emerging e-commerce ecosystem. Besides, the proposed amendments are largely to deal with traders concerns for which consumer protection regime may not be the right forum.</p> <p>All these can adversely affect the e-commerce ecosystem in India which is still evolving. Since E-Commerce has proved to be beneficial to consumers, the proposed amendments may actually go against consumer interests.</p> <p>Taking note of the fact the proposed amendments to the Consumer Protection (E-Commerce) Rules, 2020 are transgressing into addressing the concerns of the seller-side, many consumer organisations felt that the rules should stick to only consumer-facing issues.</p> <p>A roundtable of consumer organisations was organised by CUTS International to deliberate upon the proposed amendments, upon which the Department of Consumer Affairs has sought comments till 6th July. Around 30 representatives of various consumer organisations were present. It came out unanimously that e-commerce ecosystem has benefitted consumers and that the same needs to be promoted, without hindrances.</p> <p>Moderating the session, Pradeep S Mehta,</p>	N/A	Closed	ICT
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					Secretary General, CUTS, set the tone by flagging how adding Platform-to-Business regulatory elements could disturb the simplicity of the consumer protection regime. He recalled his successful fight in 1980s that resulted in a procedurally simple consumer protection regime in 1986 suited for general Indian consumers.			
57	I	05-07-2021	Pre-Summer Session of the SESEI Steering Committee	SESEI Steering committee agreed to meet once again before the start of the summer holidays to discuss issues related SESEI V & SESEI - IV Survey	<p>During the meeting most of the discussion was held around the following points:</p> <ul style="list-style-type: none"> <li>• Status of ongoing survey (level of response, type of feedback)</li> <li>• Budget principles for SESEI V</li> <li>• Status of preparation of SESEI V overview presentation to be used for principle validation by partners</li> </ul> <p>SESEI expert presented a draft presentation on the survey background, feed back and utilisation of the same.</p> <p>It was also agreed to receive 55 responses from the European stakeholders</p>	Follow up action items	Closed	Generic
58	E	06-07-2021	Presentation cum Knowledge Session on 5G SEP Leadership organised by TSDSI & DoT	Standards, Research & Innovation (S-R-I) Division of DOT is conducting a series of Presentation cum Knowledge Sessions on IPRs & SEPs. The 2nd such session on 5G Standard Essential Patent (SEP) Leadership was organized on 6 July 2021 in collaboration with TSDSI	These sessions are aimed at better understanding of SEPs in 5G Technology domain and beneficial for the officials and organizations involved in Policy making, Standards Development/ Standard Setting, Regulation, Technology, R&D, Academia and Industries. The main speaker at this session was Ms Monica Magnusson, VP, IPR policy, Ericsson group.	N/A	Closed	ICT

59	M	06-07-2021	E Meeting with officials from Invest India to discuss proposed session on IOT Standardisation	Invest India is the National Investment Promotion and Facilitation Agency of the Government of India, mandated to facilitate investments into India. It operates under the aegis of the Ministry of Commerce and Industry, Government of India, and serves as the preferred point of reference for investors considering a location, industry, or partner in India. They requested a meeting with SESEI to seek inputs and information on standardisation in the IoT Space.	<p>In the meeting the officials from the Invest India provided detail of the Invest India. They wanted SESEI to take a full session on the standardization in IoT space. The officials felt that SESEI can give valuable insights and experience would be valuable for forming policies in the space of IoT. During the meeting SESEI explained Project SESEI background, scope etc, and updated the Invest India Participants with status of M2M/IoT Standardisation especially oneM2M at TEC, BIS and TSDSI.</p> <p>During their meeting it was agreed that on August 10, a session would be held for the Invest India and Miety officials who are involved with the IoT policy related issues. SESEI also included Mr. Sushil Kumar, DDG IoT, TEC and Mr. Aurindam Bhattacharya, Lear M2M, CDoT, to speak at the session to give a complete picture on IoT standardisation and its deployment.</p>	N/A	Closed	ICT
60	I	07-07-2021	Meeting to discuss: SESEI newsletters and other ongoing/planned activities	Since most of the SESEI team is working in off site, SESEI holds periodical meetings with the team to discuss ongoing activities and provides regular direction on the action item.	During the meeting, SESEI gave directions on trying out new and reading friendly designs for the SESEI Newsletter. Other activities of the Project were also discussed with action items and timelines for their closure	N/A	Closed	Generic

61	E	07-07-2021	FICCI Organised Session on Digital India - It's triumph and way forward with emerging technologies,	The Telecom Sector Committee of FICCI , jointly with Digital India Corporation, Ministry of Electronics & IT, Gol, organised a Session on Digital India - It's triumph and way forward with emerging technologies	<p>The session on Emerging technologies was spearheaded by Shri Abhishek Singh, MD &amp; CEO, Digital India Corporation (DIC); President &amp; CEO, National e-Governance Division (NeGD) and CEO, MyGov, Ministry of Electronics and IT, Government of India.</p> <p>Addressing the webinar, Mr Singh said, "Since the pandemic struck, the pace at which digital adoption is taken place across the country is phenomenal, not only businesses but the government departments and common man have leveraged technology to win the fight against the pandemic."</p> <p>Other noted and eminent speakers from the industry included Mr. Himanshu Kapania, Vice Chairman, Aditya Birla Management Corporation Pvt. Ltd, etc.</p>	N/A	Closed	ICT
62	M	07-07-2021	Conference call meeting of SLR working group and Dr Rishi Bhatnagar	Periodic call with Dr. Rishi Bhatnagar, Chairman of the IET- Future Tech Panel was held along with the key members of the Standards, Legal & Regulatory Working Group Members. The main discussion was on the status update of the work being undertaken by the Working Group.	During the meeting plans of SLR working groups were discussed. SESEI expert updated the participant that a White Paper on Standards, Legal and Regulatory updates from around the world and in India around the subject of IoT, AI, Blockchain, AR/VR, 5G etc. is under formulation with a proposed timeline for its release as Nov-Dec'21. Participants also discussed how to ensure a greater participation and reach with Indian Govt and Standards making bodies.	N/A	Closed	ICT

63	E	09-07-2021	IET India Digital Conversations - Influence of AI and advanced analytics in Smart City strategies.	As part of the IET Digital Conversations Series, another series was held on "Influence of AI and advanced analytics in Smart City strategies."	<p>The main discussion of the digital conversation was held around ;</p> <ul style="list-style-type: none"> <li>- How rapid expansion of digital technologies— including digital communication, infrastructure and other frontier technology—restructures many domains of social life, including production and consumption, how people interact with each other, how they work and behave</li> <li>- How does technical innovation and ICTs offer new opportunities for managing cities more effectively and holistically and transitioning towards “smart cities”.</li> <li>- What will be the impact and implementation of technologies such as high-speed internet, 5G mobile networks, the internet of things and big data as they play an increasingly important role for cities of the future</li> <li>- Role of automation in smart cities and how has triggered for the deployment of artificial intelligence (AI) and robotics in cities</li> </ul>	N/A	Closed	ICT
64	M	09-07-2021	Third Meeting of BIS LITD-35/Panel-1 on Accessibility standard for ICT products and services	BIS organized third meeting of LITD35/panel1 on Accessibility standard for ICT products and services	<p>LITD 35/P1 panel members are currently working on the draft titled, “DRAFT Indian Accessibility requirements for ICT products and services “ under the leadership of C-DAC. The feedback/comments received from LITD 35/P1 panel members is being regularly incorporated in the draft report.</p> <p>Highlights/ Discussion Summary of the meeting are as under ;</p> <ol style="list-style-type: none"> <li>1. Dr. Subramanian Convener of the meeting tabled that discussions and decision needs to be taken regarding logical parts of the present</li> </ol>	Continue working with BIS on this subject	Closed	ICT

					<p>document that is being referred as Part-1 and Part-2. Member Secretary has informed the Panel that there can not be logical sub-parts within the standard as per IS 12. The panel agreed to it and it was decided to have a Part-1 of the standard covering the Accessibility Requirements for ICT products and services and Part-2 of the standard covering the Conformance.</p> <p>2. Discussions, were held on change of the present title and it was agreed that the same shall be finalized by BIS as per their norms.</p> <p>3. It was agreed that all parts preceding Scope, "Background" section etc. will be normalized to a maximum of three pages considering that this is technical standard.</p> <p>Mr. Dinesh Chand Sharma, SESEI has highlighted the key points for the adoption of EN 301 549v3.1.1 as Indian Standard.</p>			
65	M	09-07-2021	Virtual meeting on "IoT and 5G applications in 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.	<p>During the meeting, members discussed the inputs received on the draft template. Mr Sushil Kumar, DDG, TEC briefed the points of the draft template, mentioned below :</p> <ul style="list-style-type: none"> <li>a. Introduction</li> <li>b. Existing scenario in emerging communication technologies</li> <li>c. Smart Grids in India <ul style="list-style-type: none"> <li>i. Background of Smart Grid in India</li> <li>ii. Key Use Cases and Issues</li> <li>iii. Traffic Characteristics</li> </ul> </li> <li>d. Communication Technologies and Standards for Smart Grids</li> </ul>	Continue working with TEC working group on Smart Grid	Closed	Electrical Equipment including Consumer Electronics

					<p>i. Technology A  e. Security Aspects and Standards for Smart Grids  f. Summary and Recommendations</p>			
66	E	09-07-2021	IITB-TSDSI Webinar on 'End-to-End 5G Testbed: An Overview'	<p>TSDSI in partnership with IIT Bombay, organised a webinar to present an overview of the DoT sponsored project 'Indigenous 5G Test-bed'. The webinar provided an overview of the project along with IIT Bombay's contribution towards the testbed.</p>	<p>The webinar provided an overview of the end-to-end 5G testbed, developed indigenously by a consortium of eight leading Indian academic and research institutes. 5G promises much higher data rates and new applications to take telecommunication networks to the next level in near future. The goal of this testbed is to develop the key components of 5G networks from the ground up, in order to make them available for experimentation and further development to researchers, startups, industry and other players in the Indian telecommunications ecosystem.</p> <p>The 5G testbed team at IIT Bombay has led the development of the 5G core subsystem, consisting of components that interface with the radio access network and provide registration, session management, high-speed data forwarding and other core network services in the 5G network. A key feature of the 5G network is a unified core supporting a variety of access technologies. Wi-Fi is one of the most popular wireless access technologies today and it is expected to be an integral component of the 5G network too. Along with the Core Network functions, the IIT Bombay team has also developed components to integrate Wi-Fi based Non-3GPP Access Network with the 5G Core.</p>	N/A	Closed	ICT



67	M	13-07-2021	LITD 35/P1 Meeting: Accessibility standard for ICT products and services	BIS organized 4th Meeting of LITD 35/P1 Panel for Accessibility standard for ICT products and services on 13th July 2021	<p>Highlights/ Discussion Summary of the meeting are as under ;</p> <ol style="list-style-type: none"> <li>1. Dr. N. Subramanian, Convenor welcomed the members of LITD 35/P1 panel along with team from C-DAC centres.</li> <li>2. . Dr. Subramanian appraised the panel about the discussions held between BIS, C-DAC and Shri. S Ramkrishnan &amp; the decision to release a separate part (Part-2) of standard for conformance. Also it was informed that additional panel members may be co-opted to prepare Part-2 of the standard. He also mentioned that a separate meeting between C-DAC, MeitY including NIC, NeGD, TDIL &amp; STQC and key industry associations is scheduled on 16/07/2021 to take inputs on India specific aspects suggested in the draft Standard such as language support, Indian Sign Language etc...</li> </ol> <p>2.3. The panel reviewed the working draft and the following suggestions were emerged in the discussion:</p> <ol style="list-style-type: none"> <li>a. In the Note “whenever possible” and “wherever appropriate ”to be adequately handled, for instance, uniformly as ‘whenever or wherever possible’.</li> <li>b. Clause 5.1.3.16 Receipts, tickets, and transactional outputs: Requirement of Payment gateway accessibility needs and localization needs to be addressed.</li> <li>c. Clause 7.1.4 Captions’ characteristics: Captioning</li> </ol>	Continue working with BIS on this subject and promote/contribute European work	Closed	ICT
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					<p>may be provided in the language of choice of user wherever possible and as per standard, as an alternative. .</p> <p>d. Inclusion of Accessibility for documents and transactions involving digital signatures (including e-Sign) and other authentication mechanisms: Before inclusion of this, practical mechanism of how this is addressed in practice by market-players may be confirmed so that the requirement can be written in a vendor-neutral and implementable manner. .</p> <p>e. For providing URL references in printed / hardcopy of standard, QR code can be explored.</p> <p>f. Regarding Emergency services- '112 emergency services (ERSS) to be digitally accessible' to be included as the requirement.</p>			
68	E	13-07-2021	GoToWebinar - Large Scale Green Hydrogen Production organised by Indo-German Chambers of Commerce	<p>A webinar was organised by Smith Micro Software on the role of Smart Phones, whether they provide safety while driving or are distractions</p>	<p>A new survey by Smith Micro Software, shows American parents view smartphones as both friend and foe when it comes to the safety of their teen drivers. While 50% of parents surveyed cited either smartphone use, talking on the phone, or texting as the most dangerous distractions for teen drivers, nearly seven in 10 parents (69%) believe that a mobile app measuring driver behaviour would help teens learn safer driving habits.</p> <p>This webinar explored the survey results and gain insight on the following topics:</p> <ul style="list-style-type: none"> <li>- Parental concerns regarding the safety of their teen drivers.</li> <li>- Smartphones' impact on teen drivers' safety and risk profiles.</li> <li>- How existing tech helps parents teach safe driving</li> </ul>	N/A	Closed	Mobility

					<p>habits to their teens.</p> <ul style="list-style-type: none"> <li>- Parental willingness to employ driver safety monitoring technology/mobile apps</li> <li>- Opportunities for consumer-facing brands to position themselves as safety advocates among families with young drivers.</li> </ul>			
69	M	14-07-2021	Meeting of the TEC WG on Future Communication Technologies & Use cases in IoT domain	The draft document has been refined in multiple short meetings with chairs. Work is in progress on the refinement/ finalization of the document. The revised and updated draft document is circulated to all members before each meeting to give their comments/ input. This document is expected to be finalized in this meeting.	<p>Highlights and discussion summary of the meeting and suggested and accepted changes in the document are as under;</p> <ul style="list-style-type: none"> <li>a. Some sections have been reorganized, without changing their content.</li> <li>b. Brief about IMT-2020 Recommendation (ITU-R M.2150), which includes three radio technologies namely 3GPP 5G-SRIT, 3GPP 5G-RIT, and 5Gi to meet the IMT-2020 requirements, has been added in the introductory para of Section 3.</li> <li>c. Two new annexures (Annexure1: Important Use Cases in Industrial Operations / Manufacturing and Annexure 3: Ecosystem Readiness) have been added.</li> <li>d. References to new annexures have been placed in Section 4.</li> <li>e. Annexure 3 (Ecosystem Readiness) is based on the contribution given by 5G India Forum (5GIF), having references and details about C-V2X and industry 4.0. DDG (IoT) said some of these items may be taken up for future study.</li> <li>f. To add a section on Wi-Fi HaLow, it being an emerging technology. All the members agreed to it. DDG (IoT) further suggested to add a section on Wi-Fi 6 as well</li> </ul>	Continue working with TEC on this subject	Closed	ICT

					<p>TEC WG on Future Communication Technologies &amp; Use cases in IoT domain is expected to release the report soon.</p> <p>Inputs provided by SESEI covering EU work have been considered well in the draft report.</p>			
70	E	14-07-2021	GoToWebinar - Large Scale Green Hydrogen Production organised by Indo-German Chambers of Commerce	Indo-German Chamber of Commerce in collaboration with the Indo-German Energy Forum and VDMA organized a virtual knowledge session on "Large Scale Green Hydrogen Production".	<p>The webinar organised by the Indo-German Chambers in collaboration with the Indo-German Energy Forum and VDMA provided insights into ongoing international projects.</p> <p>Experts from German companies presented flexible, efficient and scalable Megawatt PEM electrolyser technology as well as large scale modular Alkaline Water Electrolysis (AWE) technology for green hydrogen plants.</p>	N/A	Closed	Electrical Equipment including Consumer Electronics
71	E	14-07-2021	Horizon Europe Launch Event in India - New collaboration opportunities for EU-India, organised by co-organised by the Delegation of the European Union to India and EURAXESS India.	<p>Horizon Europe is the EU's key funding programme for Research &amp; Innovation, with a budget of €95.5 billion, and will run from 2021 to 2027.</p> <p>The first calls for proposals for collaborative research action have been launched. This event will bring important information for Indian stakeholders and researchers about how to take part in the programme.</p> <p>The event is organised by the</p>	<p>In this high level information session speakers from the European Commission in Brussels presented the new strategy on Europe's Global Approach for Research and Innovation in International Cooperation, and speak about cooperation opportunities between the EU and India under the new Horizon Europe programme. The speakers talked about;</p> <ul style="list-style-type: none"> <li>- Europe's Global Approach to Research &amp; Innovation</li> <li>- Horizon Europe- The EU's new R&amp;I Programme ( 2021 - 2027)</li> <li>- New Opportunities under Horizon Europe - Access to Research Infrastructure services</li> <li>- Horizon Europe - Collaboration on opportunities on Space Research</li> </ul>	N/A	Closed	Generic

				EU Delegation to India and EURAXESS India.				
72	E	15-07-2021	4th Edition of 5G India Congress organised by NEXGEN	Nextgen organised the 4th edition of the 5G India Congress. it is expected that 5G will provide beyond the traditional voice and data through enabling technologies like Internet of Things (IoT), Artificial Intelligence (AI), Robotic Process Automation (RPA), Augmented Reality / Virtual Reality (AR/ VR) etc.	The event was focused on following topics. and had eminent speakers from the Indian Telecom sector. 1. Current telecom ecosystem and preparedness to embrace 5G 2. Impact of 5G on various telecom industry stakeholders as well as potential and relevance of 5G across industry verticals 3. Is Spectrum is the current priority for telecom operators? 4. Backhaul requirements to cater 5G networks 5. Key business models and intermediaries that could evolve in lieu of 5G 6. Discussion on to ensure 5G commercial launch in India in line with global launch 7. How NFV is the top priority in terms of technologies for 5G development in India 8. Do we really need 5G - Keeping in view operators financial health in India?	N/A	Closed	ICT
73	M	19-07-2021	Fourth Meeting of BIS, LITD-35 AAL Sectional Committee	BIS organized fourth meeting of LITD-35 AAL Sectional Committee	LITD 35 is the National mirror committee (NMC) of IEC SyC Active Assisted Living. T  The agenda and discussions held during the meeting are as under: Item 3 PRESENT POSITION OF WORK OF LITD 35 3.1. Member secretary informed that no comments have been received on the Preliminary draft standards (as mentioned below) and decided in the meeting that standards will be issued in Wide circulation for a period of two months. The committee also decided to finalize the draft	Continue working as a member of LITD 35 and provide inputs/suggestions on EU work around AAL	Closed	ICT

					<p>Standards for publishing/printing as Indian Standard subject to the condition that there are no comments on the wide circulation documents. The committee also decided that in case comments will be received then further action will be taken in consultation with the Chair of LITD 35.</p> <ul style="list-style-type: none"> <li>- IEC 60050-871: 2021, Electrotechnical vocabulary Part 871: Active assisted living AAL</li> <li>- IEC 63134: 2020, Active assisted living AAL use cases</li> </ul> <p>Item 4 DISCUSSION ON THE DEVELOPMENT OF ACCESSIBILITY STANDARD</p> <p>4.1 The Member Secretary has informed the Committee about the communication received from the MeitY to develop the Accessibility Standard of ICT Products and Services. He also highlighted about the work done by LITD 35/P1 Panel in drafting the Indian standard-“Accessibility of ICT Products and services, Part1: Requirements”.</p> <p>4.2 Shri Ramakrishnan made a brief presentation (Annex 2) on the aforementioned standard and also pointed to the changes that were incorporated into the standard considering the Indian Context while adopting EN 301 549 standard.</p> <p>4.3 Mr Subramanian, CDAC informed the committee that the part-2 of the Accessibility standard of ICT products and services will be drafted by September 15, 2021.</p> <p>4.4 The chairman and the committee appreciated the work done by LITD 35/P1 Panel in drafting the standard.</p> <p>4.5 The committee decided to circulate the aforementioned draft standard as a preliminary</p>			
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					<p>draft (p-draft) for a period of 21 days.</p> <p>SESEI is actively promoting adoption of EN 301549 for ICT accessibility for persons with disabilities (PwDs) in India.</p>			
74	E	19-07-2021	Webinar on “Green ICT” by TEC in association with ETSI	<p>Telecommunication Engineering Center (TEC), Department of Telecommunications organised a Webinar on “Green ICT”. The webinar presented an overview of the ETSI activities on eco-environmental topics related to ICTs and introduce various concepts like Energy Efficiency Measurement Methods, Key Performance Indicators, Life Cycle Assessment and Circular Economy.</p>	<p>The webinar focused on eco-environmental topics related to ICTs. Main speaker at the webinar was Mr. Beniamino Gorini, Chairman, ETSI Technical Committee “Environmental Engineering”. He presented a short overview of ETSI, and more specifically on Technical Committee “Environmental Engineering” to highlight the main tasks for the eco-environmental matters. Then, an overview of the following key deliverables were presented:</p> <ul style="list-style-type: none"> <li>- energy efficiency measurement methods and KPI of: wireline access equipment, radio base stations, transport equipment, switching equipment, servers</li> <li>- energy efficiency of wireless access networks</li> <li>- control and monitoring of green aspects of ICT network equipment</li> <li>- Life cycle assessment of ICT equipment</li> <li>- Circular economy of ICT network equipment</li> <li>- Link between ETSI deliverables and EU directive on eco-design (2009/125/EC), and associated regulations on ICT equipment, was also provided.</li> </ul>	N/A	Closed	ICT

75	M	20-07-2021	Operational Meeting with India EU ICT Project	Project Operational Meeting was called by the stakeholders of the India EU ICT Project. The meeting was participated by Sachin Gaur (SG) (Project), Andreas Sommer (AS) (Project), Benoit Sauveroche (BSe) (EUD), Rahul Gupta (RG) (EUD), Dinesh Chand Sharma (DS) (SESEI), Xavier Piednoir (XP) (ETSI), Bindoo Srivastava (BSa) (TSDSI), Jean-Pierre Bienaimé (JP) (TSDSI)	A detailed meeting of the stakeholders of the India EU ICT Project was held. The main agenda of the meeting was as under ; 1. Short update 2. Actual status of submitted, received and approved activity proposals, and related activities 3. Activity proposals under preparation 4. Discussion of general project operations related topics (e.g., speed up processes)	Continue Supporting the project for Technical Synergy	Closed	ICT
76	E	20-07-2021	Live webcast: Sustainable IoT – Low Code, Low Maintenance and Ultra Low-Power Approaches	Webinar by Brighttalk on the Sustainable IoT – Low Code, Low Maintenance and Ultra Low-Power Approaches.	The Internet of Things (IoT) is a fundamental enabler of sustainability through its remote sensing and control capabilities in ‘green’ ICT solutions. Wider adoption, however, depends on using technology sustainably.  During this webinar, Dale Seed of Convida Wireless, Andreas Kraft of Deutsche Telekom and Ravikumar Pragada of InterDigital illustrated new developments that are making this possible. Covering principles for designing IoT systems sustainability and practical guidance for implementing low-code and low-maintenance IoT devices based on the oneM2M standard. The session also took a longer-term view of new approaches to support ultra-low power devices that bring the potential for trillions of IoT devices closer to reality.	N/A	Closed	ICT



77	M	22-07-2021	Second Study Group Meeting on Digital Signature	The second meeting of study group on Digital Signature was held on 22 July 2021	<p>SESEI is an important and active member of this study group and provides regular updates on the ETSI and EU worked being carried out in the domain of electronic signature. The highlights of the meeting are as under;</p> <p>As decided in the first meeting, members were requested to go through the documents available on the digital signature in the CCA website. The members may give their suggestions/comments on the documents.</p> <ul style="list-style-type: none"> <li>- Discussion with representatives from nCode Solutions and IDSign on the following questions: <ul style="list-style-type: none"> <li>a. How they are working on digital signature?</li> <li>b. To provide the information on the standards if any, followed on digital signature</li> <li>c. To suggest the areas where standardization is required on digital signature?</li> </ul> </li> </ul> <p>SESEI expert has shared the list of ISO/IEC/ETSI/CEN-CENELEC standards on Digital Signature.</p>	Continue working with BIS on this subject and contribute Europe/International work	Closed	ICT
78	E	23-07-2021	National Council Meeting on WTO Trade and Investment	ASSOCHAM National Council on WTO Trade & Investment has called upon a council meeting under Chairmanship of Mr. Dhiraj Nayyar, Chief Economist, Vedanta and Co-Chairmanship of Mr. Kishore Balaji, Director International Trade Policy, Intel.	<p>The council plan of activities and issues being faced by industry stakeholders were discussed during the meeting. The meeting focused on following points:</p> <ul style="list-style-type: none"> <li>- Review of existing BTs, RTA, FTAs and consultation on new FTAs,</li> <li>- Standardization of products and recyclable material</li> <li>- Rationalization of customs duty on input and output</li> <li>- Foreign Trade Policy</li> <li>- EoDB - Trade facilitation, simplification of customs</li> </ul>	N/A	Closed	Generic

					<p>procedure</p> <ul style="list-style-type: none"> <li>- Promoting export of focused products by removing trade barriers</li> <li>- Others items as per suggestion of council members</li> </ul>			
79	M	27-07-2021	First Working Group meeting on Cloud Services	Tech-Committee : SSD-II 10 : WG01 Working Group	<p>In the first working group meeting on cloud services, it was decided to share the published ISO standards on cloud and list of European standards.</p> <p>During the meeting, SESEI expert was assigned to share the list of standards around cloud services in Europe. To address this, SESEI consolidated a short report on it and share with SG.</p>	Continue working with BIS on this subject and promote/contribute European work	Closed	Services
80	E	27-07-2021	The Digital Dialogues on 'Building the Digital Economy: Opportunities for Growth and Partnership' by BIF	Dr. Mike Short (CBE), the first Chief Scientific Adviser to the Department for International Trade, Government of UK, has kindly agreed to share his invaluable insights with us through a virtual session. A highly renowned industry veteran with over 40 years of experience in the electronics and telecommunications domain, Dr. Short will be our Chief Guest and make the keynote presentation at a very special session of The Digital Dialogues on the vital aspects of 'Building the	<p>The session had eminent speakers</p> <ul style="list-style-type: none"> <li>- Mr. T K Paul, Member (T), Digital Communications Commission (DCC) Government of India;</li> <li>- Mr. JS Deepak, Chairman of the CII Task Force on Digital Infrastructure, former Ambassador of India to WTO and former Secretary – Telecom, DoT;</li> <li>- Mr. Sanu de Lima, Deputy Director – South Asia, Department for International Trade, Government of UK;</li> <li>- Mr. RK Pathak, DDG-IC, DoT; join as our Special Guests, along with senior Industry representatives.</li> </ul> <p>The esteemed expert global and national speakers deliberated on the critical aspects of the need to;</p> <p>1. is now well understood and appreciated that the digital world, including 5G and beyond, demands more than ever before, a high level of cooperation and partnership amongst the various market</p>	N/A	Closed	ICT

				<p>Digital Economy: Opportunities for Growth and Partnership', scheduled on Tuesday, 27th July 2021, at 1300 hrs (IST).</p>	<p>players, to ensure the efficient demand adoption and sustainable utilisation of scarce resources</p> <p>2. operate in an era of 'co-opetition' rather than mere competition. Initiatives like sharing of both passive and active infrastructure, international standards including O-RAN, adoption of open source in many areas, etc., would become the key to healthy growth of the digital sector.</p> <p>3. Increased understanding and Digital cooperation are both needed between international economies and nations of the world.</p>			
81	E	28-07-2021	7th Webinar on the subject "Intelligent Transport System (ITS) for Road Safety"	<p>IRF India Chapter organised the 7th Webinar in the series, titled "Intelligent Transport System (ITS) for Road Safety" on 28th July 2021</p>	<p>As an integral part of its mission of Road Safety, IRF-IC is planning a Series of Webinars over the coming months, focusing on important aspects of the 5 Es of road safety. The webinar series is on "Road Safety Challenges in India &amp; Preparation of an Action Plan".</p> <p>The 7th Webinar on the subject "Intelligent Transport System (ITS) for Road Safety" was organized on 28th July 2021 , which had an eminent Guest Speaker and five distinguished Speakers.</p> <p>Mr. Balraj Bhanot shared his insights on road safety with the participants and welcomed and introduced the Speakers.</p> <p>In addition to Mr.Sudhendu Jyoti Sinha, Advisor, NITI Aayog, who was the Guest Speaker at the Webinar, the Webinar had five distinguished Speakers.</p> <p>1. Mr.Alok Sethi, General Manager, DIMTS (Topic: Smart&amp; Enabling ITS Technologies for Road Safety)</p>	N/A	Closed	Mobility

					<p>2. Dr.Madhusudan Joshi, Head – Electronics Division, ICAT (Topic: Smart&amp; Enabling ITS Technologies for Road Safety)</p> <p>3.Mr.Chaitanya Y. Bhatt, CEO, Surat Smart City Ltd. (Topic: ITS Applications in Smart Cities)</p> <p>4. Dr.P.K. Sarkar, Former Professor, SPA (Topic: Application of ITS Technologies for Safety of Vulnerable Road Users)</p> <p>5. Mr.Prakash Rosayyan, Joint Director, CDAC (Topic: Indigenously Developed ITMS Components and the Use Cases)</p>			
82	E	29-07-2021	Webinar on Open Automated Demand Response by Bureau of Indian Standards	BIS Organised a technical webinar on Open Automated Demand Response. The Webinar was chaired by Shri Jayanta Roy Chowdhury, DDG (Standards P&M), BIS and LITD Technical Committee was the main organiser of the webinar.	<p>The main discussion and presentation during the webinar was on ;</p> <p>1. <b>Overview of IEC 62746-10-1:2018</b> ‘Systems interface between customer energy management system and the power management system - Part 10-1: Open automated demand response by and Shri Rish Ghatikar, Senior Program Manager, Electric Power Research Institute USA</p> <p>2. <b>Features and functions of Open Automated demand Response</b> by Mr. Rolf Bienert, Director, Open ADR Alliance USA</p> <p>3. <b>Importance of IEC 62746-10-1:2018</b> by Shri Arun K Mishra, Director National Smart Grid Mission Project Management Unit</p> <p>4. <b>Process for reviewing and submitting comments</b> on BIS draft standards by Member Secretary</p>	N/A	Closed	Electrical Equipment including Consumer Electronics

83	M	29-07-2021	Virtual meeting of the TEC Working Group (WG) on “Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications”	The meeting was held to discuss the inputs received from WG members of “Draft Guidelines / Code of Practice for Securing Consumer Internet of Things (IoT)”	The highlights of the discussions held at the meeting are as under ; 1. It was discussed that its better to have five data protection provisions for consumer IoT to be included in this document as it is already available in ETSI EN 303 645. This was available in the initial drafts of the document but somehow missed. 2. Based on ETSI EN 303 645, point no. 3.8 of the draft document has been modified as “ Ensure that the personal data is secure “ . Content already available in point no. 3.8 of draft document has been shifted and refined in section -4. Now point 3.8 of the draft document having the provisions from the ETSI EN 303 645. 3. Some changes have also been made in point 3.4 of the draft document based upon the provision available in ETSI EN 303 645.	Continue working with TEC on this subject	Closed	ICT
84	M	29-07-2021	Meeting of the Standards, Legal & Regulatory ( SLR) Working Group of the IET – Future Tech Panel	SESEI is the Chairman of the SLR Working Group of the Future Tech Panel. SLR Working Group meeting was called to discuss the draft White Paper on the M2M/IoT and emerging technologies	The discussion summary of the SLR Working Group meeting are as under; 1. SESEI being the Chairman of the SLR Working Group welcomed all the members to the meeting. Post introduction of all the members present, discussion on the draft white paper was held. 1. Members requested to share the input to Section 10 – Standardisation and Policy related Challenges and suggestive actions/recommendation to address these challenges which will become a part of section 11. Conclusions and followed up through IET platform. In todays call we have agreed to include 2 challenges as below a. Implementation of M2M/IoT based Reference Architecture such as developed by BIS (IS 18004-	Seeking Inputs of 69embers and Finalization of White Paper on the M2M/IoT and emerging technologies	Closed	ICT

					<p>1:2021: IoT System Part 1 Reference Architecture”) and other related specification released by TEC as National Standards: Aurindam &amp; Krishna Sirohi Ji to suggest this draft as a challenge and recommendation</p> <p>b. Issue of e-SIM implementation: Debashish Ji and Sharad ji to this draft as a challenge and recommendation</p> <p>2. Anita/Ujani to share this draft to all other WG for them to provide input as a paragraph or pager to Chapter 8. Standardisation &amp; Policy updates around Vertical Technologies (Input from IET other WGs)</p> <p>3. Sheahan and Shreyas team members will draft a separate Part-2 of this White Paper covering Legal &amp; Privacy issues in the IoT &amp; Future Technologies</p> <p>4. Timelines agreed are: by end of August, we shall have a first cut-draft ready, with September dedicated to its finalization and release by first week of October</p>			
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## SESEI-IV: Queries

Sr. No.	Date of Receipt	Brief Description	Requester	Sector	India Responsible	Action/Update	Document Reference	Status
1	17-Sep-21	<p>Dar Sharmaji,</p> <p>Hope you are doing fine.</p> <p>I need EN 60974-2018 standard for resolving an audit finding for my client.</p> <p>Title is : Arc welding equipment . Need parts 1,4 and 5.</p> <p>Is it possible to arrange the document!</p> <p>With best regards</p> <p>Javed Afaque Principal Consultant, Équipe Qualité Consultants</p>	<p>JAVED AFAQUE &lt;javed.afaque@eqcindia.co.in&gt;</p>	Generic	Équipe Qualité Consultants	<p>Dear Javed Ji,</p> <p>All is well here.</p> <p>All ENs are saleable on CEN-CENELEC member websites, and we/I don't have any free access to them and to be shared. Link to choose the EU members website for purchase is available at below link:</p> <p><a href="https://standards.cencenelec.eu/dyn/www/f?p=205:105:0::::">https://standards.cencenelec.eu/dyn/www/f?p=205:105:0::::</a></p>	Email Query	Closed

2	2-Sep-21	Provided list of CEN standards including Normative : Ropeways/Cableways	<a href="mailto:cgmrtldchp@gmail.com">cgmrtldchp@gmail.com</a>	Smart mobility	Ropeways and Rapid transport system development corporation H.P. limited	Dear Sir,  As asked, please find enclosed list of CEN standards on Ropeways/Cableways including Normative Reference list. Regarding purchase of these standard, you can visit following link and decide which national organization is suitable for their purchases.  - <a href="https://standards.cencenelec.eu/dyn/www/f?p=CEN:35:0::::FSP_SURR_WI,FSP_ORG_ID:33883,6223&amp;cs=1ED575E635831B3E19006A6863AA62F2B">https://standards.cencenelec.eu/dyn/www/f?p=CEN:35:0::::FSP_SURR_WI,FSP_ORG_ID:33883,6223&amp;cs=1ED575E635831B3E19006A6863AA62F2B</a>  Warm Regards,	Email Query	Closed
3	17-Aug-21	Prepared and shared an article on ICT – Emerging technologies such as 5G, AI and Blockchain and standardization	<a href="mailto:kavya.seth@adi-media.com">kavya.seth@adi-media.com</a>	ICT	Communications Today	Dear Kavya,  Draft article is enclosed. We have covered updates from European side around 5G, AI and Blockchain in it. ( <a href="https://www.communicationstoday.co.in/ict-emerging-technologies-and-standardization/">https://www.communicationstoday.co.in/ict-emerging-technologies-and-standardization/</a> )	Email Query	Closed
4	27-Jul-21	Shared list of ETSI and ISO standards around Cloud Computing	Services Services Sector Department II <ssd2@bis.gov.in>	Services	BIS	Dear Santosh ji and Anupam Ji,  Please find enclosed the file for the list of Standards around Cloud Computing	Email Query	Closed



5	22-Jul-21	Shared list of ISO/IEC/ETSI/CEN-CENELEC standards on Digital Signature.	Services Services Sector Department II <ssd2@bis.gov.in>	Services	BIS	Dear Sir,  Please find enclosed the the list of Standards on Digital Signature.	Email Query	Closed
6	7-Jul-21	Query on oneM2M Security Specification	<a href="mailto:mamta.abichandani@infineon.com">mamta.abichandani@infineon.com</a>	ICT	Infineon Technologies	Dear Mamta,  I checked the TEC portal on oneM2M Specification approved to be a National Standards and I could see that both Technical Report and specification on Security have been adopted as a National Standards (check TS-003 and TR-0008) on below link:  -  <a href="https://www.tec.gov.in/pdf/M2M/M2M_TR_TS.pdf">https://www.tec.gov.in/pdf/M2M/M2M_TR_TS.pdf</a>	Email Query	Closed