



Quarterly Report No. 09

(July-September 2021)

Brief Summary

October 2021

Outline

- Key Meetings, Events & Queries (Activity Tracker)
- Key Draft Standards Under Wide Circulation
- Planned Activities for Next Quarter

Key Meetings 1 (5)

Description	Total Until now	Last Qtr (July, Aug, Sept.)
External Meetings	295	38
Internal Meetings	71	08

Meeting with BIS:

Generic:

- **Meeting with the Head of International Relations Department of BIS and Head of the Services division to:**
 - Discuss the issues related to various issues and seek status update on many action points pending including MoU BIS-CEN CENELEC, MoU BIS-ETSI, EN-81/EN-115 license agreement, procedure for Lab recognition of Foreign Manufacturer, Joint Webinar & meeting on topics of Mutual Interest such as Market Surveillance, Installation Rules – CB Scheme, Circular Economy etc.

ICT:

- **(3rd, 4th, 5th 6th and 7th 8th) Meetings of the BIS -LITD 35/P1 Meeting 1 Accessibility standard for ICT products and services:**
 - LITD 35 is the National mirror committee (NMC) of IEC SyC Active Assisted Living. BIS LITD 35/P1 panel members are working on creating a standard for "Indian Accessibility requirements for ICT products and services", which is based on EN 301 549.
 - SESEI expert is working as a member to this panel and ensuring the identical adoption of EN 301 549 latest version. The draft Indian Standards is currently under wide circulation and is identical to EN 301 549 with changes limited to applicable Indian Acts and Indian Languages. The Conformity Assessment part of EN 301 549 is dealt separately as Part – 2 and is also under development.

Services:

- **2nd, 3rd & 4th Study Group Meetings on Digital Signature:**
 - SESEI is an important and active member of this study group and provides regular updates on the ETSI, CEN-CENELEC and EU work being carried out in the domain of electronic signature. SESEI expert has shared the list of ISO/IEC/ETSI/CEN-CENELEC standards on Digital Signature.
- **1st and 2nd Working Group meetings on Cloud Services:**
 - 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.
- **Panel meetings of Electronic Consent Management, SSD 10/P-3:**
 - During the sectional committee meetings of SSD 10 'IT and IT Enabled Services', a panel was constituted to prepare the working draft standard on Electronic Consent Management. The meeting was convened by Mr. Dinesh Chand Sharma of SESEI. ISO/IEC 29184 – Online Privacy Notice and Consent standard is adopted by BIS
- **5th Sectional Committee Meeting of BIS SSD-II 10 on IT and IT Enabled Services:**
 - SESEI is a member of the SSD 10 and participates in its various sub sectional committees. Meeting was held to take a review of all panels under this divisional council.

Key Meetings 2 (5)

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Periodic Meetings of Working Groups / Committees of DoT/TEC & other Government Bodies:

- **Meetings of the TEC Working Group for "Finalizing IoT / ICT standards for Smart cities":**
 - SESEI has provided input to the document covering works in Europe.
- **Meetings 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. Regular meetings of WG are being held to discuss the draft document and Smart Grid related use cases.
- **Meetings of the TEC WG on Future Communication Technologies & Use cases in IoT domain.**
 - Work is in progress on the refinement/ finalization of the report. Inputs provided by SESEI covering EU work have been considered well in the draft report.
- **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":**
 - to discuss the "Draft Guidelines / Code of Practice for Securing Consumer Internet of Things (IoT)". In the meeting Chairman highlighted about the engagement held with the subject matter expert from ETSI, UK DCMS/NCSC (arranged by Ms. Sonia Compans and Mr. Dinesh Sharma). In the meeting detailed discussions were held with the above experts on the comments received from ETSI and overall structure of the "Draft Guidelines / Code of Practice for Securing Consumer IoT".
 - 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. As a follow-up SESEI will continue working on its implementation by adopting TS 103 701.
- **First meeting of the Consultative Committee for adoption of oneM2M Release 3 standards:**
 - the agenda of the meeting included inviting nominations for Vice-chairs, Rapporteurs and presentation on oneM2M Release 3 specifications.
- **Virtual meeting of NWG-20 for finalizing contributions for ITU-T SG-20 meeting:**
 - 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". TEC has released a [technical report on IoT/ICT Enablement in Smart Village & Agriculture](#) in March 2021. SESEI expert had contributed to this report on EU work around this subject.

Key Meetings 3 (5)

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

ICT:

- **Meeting with Head of Secure by Design, Cyber Security, Department for Digital, Culture, Media, and Sport:**

- Meeting b/w SESEI, DCMS, UK and Telecom Engineering Centre (TEC) held on issues related to latest dynamics in India regarding consumer IoT Security. TEC and DCMS discussed next steps post adoption of EN 303 645 and issues related to TS 103 701.
- A proposal to hold a webinar on exchange of practices in EU/UK and India in line with ETSI TC Cyber and its implementation in UK was also discussed.

- **Meeting of the EBG Telecom Sector Committee:**

- SESEI is actively engaged through EBG on issues related to Market Access, 5G, emerging technologies, supporting European Telecom vendors interests in India. SESEI contributed to drafting of the standards section for the EBG Position paper. SESEI also coauthored the representation to DoT/TEC on 5Gi issues and faster adoption of 3GPP 5G standards.

- **Operational Meeting with India EU-INDIA ICT Project :**

- Project Operational Meeting was called by the stakeholders of the India EU ICT Project. The main agenda of the meeting was to discuss and understand status of submitted, received and approved activity proposals, and related activities.

Meetings with Industry & Associations:

Generic:

- **Meeting with QCI officer:**

- Meeting was sought on the request from CEN-CENELECs and its efforts on Africa to check more information on QCI MOU with ARSO (Africa) and its activities in Africa and if it is promoting BIS standards. On this request SESEI expert held a meeting with QCI officer to discuss it and provided updates to CEN CENELEC.

Key Meetings 4(5)

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Meetings with Industry & Associations:

ICT:

- **E Meeting with officials from Invest India to discuss proposed session on IOT Standardization:**
 - Invest India is the National Investment Promotion and Facilitation Agency of the Government of India, mandated to facilitate investments into India. They requested a meeting with SESEI to seek inputs and information on standardization in the IoT Space.
- **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.
- **Meeting with Chairman of the IET- Future Tech Panel:**
 - on the status update of the work being undertaken by the Working Group chaired by SESEI on Standards, Legal & Regulatory.
- **Broadband India Forum (BIF) Committee Meeting on ICT for Inclusive Ability (PwD):**
 - to discuss the action items from the last meeting, Global Accessibility Awareness Day (GAAD 2021) and Status of EN 301 549 adoption by India.

Mobility:

- **Meeting on Railway Standards with Principal Consultant, Équipe Qualité Consultants (EQC)**
 - to discuss status update on the railway standards in India and the European railway standards. EQC is carrying out audit and certification of welding work in Indian Railways, which is based on EN 15085

Services:

- **Meeting with CTO, eMudhra a company associated with Digital certification, e- signatures, etc.:**
 - to discuss ISO/EN standards on digital signature. SESEI is working on this subject with BIS for adoption of EN standards in India around Digital Signatures.

Key Meetings 5 (5)

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Meetings with Project Partners:

Generic:

- **Pre-Summer Session of the SESEI Steering Committee:**
 - to discuss issues related SESEI - IV Survey
- **CEN-CENELEC Project India Meeting #13:**
 - SESEI provided status update on SESEI IV stakeholder survey – key learnings and opportunities etc.
- **SESEI SC# ad-hoc meeting:**
 - Main agenda of the meeting was SESEI Survey findings and discussion on the comments and feedback received as well as deciding the next steps.
- **ETSI Board meeting#134:**
 - SESEI Presented a summary report of the SESEI Project, role of SESEI in supporting EU Standards and Standardization community in India, its key achievements, findings, and key results from the SESEI Survey.

Mobility:

- **Meeting with CEN-CENELEC:**
 - To discuss proposed INDIA: Rail webinar with the Railways Standards Organization - RDSO.

Circular Economy:

- **Meeting with CEN-CENELEC:**
 - CEN-CENELEC Priority WG on Circular Economy, requested SESEI expert to provide updates on CE& RE in India. SESEI team prepared a special report and presentation on “CIRCULAR ECONOMY & RESOURCE EFFICIENCY IN INDIA: Policy and Standardization” and shared it.
 - A proposal to hold a Webinar on CE/RE with EU-REI project was also discussed.

Key Events

1(4)

Description	Total Until now	Last Qtr (July, Aug, Sept)
Events/Seminar/Workshop /Roundtable	288	38

Important Events/ Seminars participated by SESEI

Generic:

- **GoToWebinar - Enabling Collaborative Development: Indo-German Deals in a Decade.**
 - webinar 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.
- **Horizon Europe Launch Event in India: New collaboration opportunities for EU-India:**
 - organized by the Delegation of the European Union to India and EURAXESS India.
- **CUTS Webinar on Proposed Amendments to the Consumer Protection (E-Commerce) Rules, 2020"**
 - to share the latest amendments proposed by the Ministry

Smart Cities:

- **Virtual Conference on 100 Smart Cities India organized by Bharat Exhibitions:**
 - to facilitate brainstorming on the opportunities, challenges and scope for developing a truly IoT infrastructure, encompassing the current situations pertaining to policy guidelines, regulatory norms, implementation challenges, etc., and highlighting the importance of integrating ICT to support the Smart Cities mission in India.
- **IET India Digital Conversations** - Influence of AI and advanced analytics in Smart City strategies.

Electrical Equipment including Consumer Electronics:

- **Webinar on "Smart Grid Case Studies Using Communication Systems- Based on IEEE 1901 High-Speed Powerline Communication"** organized by IEEE Standards Association
- **Webinar on Low Voltage Direct Current (LVDC): "The Future of Electricity Usage"** jointly organized by Bureau of Indian Standards (BIS) and Centre for Innovation in Science and Social Action (CISSA)

Key Events

2(4)

Description	Total Until now	Last Qtr (July, Aug, Sept)
Events/Seminar/Workshop /Roundtable	288	38

Mobility:

- **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.
- **7th Webinar on the subject “Intelligent Transport System (ITS) for Road Safety”**
- **IET India Digital Conversations -Intelligent Transportation Systems & Internet of Roads:**
 - New technologies need to be tailored to fit the dynamism of roads specific to the Indian scenario. More used cases are required.
- **Webinar on the occasion of World Energy Storage Day (WESD)**
 - Focused on energy storage, electric mobility, and green hydrogen.

Energy Efficiency incl. Circular Economy:

- **Webinar on Large Scale Green Hydrogen Production organised by Indo-German Chambers of Commerce, Energy Forum and VDMA**
- **The 2nd edition of the Virtual Conference on `E-Waste Management in India: Circular Economy Organised by the Confederation of Indian Industry (CII).**
 - focused on enhancing awareness about the impact on environment due to E-Waste and explore new business opportunities for Indian industry.

Services:

- **Webinar on "Standardization in Transportation Services - Challenges and Solutions" organized by BIS:**
 - To create awareness and share importance about the Transport & Logistic Services.
- **BIS webinar on "IT and IT Enabled Services - Opportunities and Standardization**
 - SESEI was invited by BIS as a key speaker to share his knowledge and expertise on "Global perspective of standardization in IT and IT enabled Services" and provided updates from CEN-CENELEC-ISO/IEC/JTC1 etc. and EC on Generic Services.

Key Events

3(4)

Description	Total Until now	Last Qtr (July, Aug, Sept)
Events/Seminar/Workshop /Roundtable	288	38

Smart manufacturing/Industry 4.0:

- **Webinar on "Robots and Standards" hosted by BIS:**
 - to create awareness about the standardization work being done in the field of Robots amongst various stakeholders engaged in the manufacturing, regulating, testing, using & scholars from R&D.
- **IET Webinar on Embracing Industrial Automation and Robotics – Guidance for MSMEs:**
 - To provide practical insights for a wider deployment and application of industrial automation and robotics in Indian manufacturing.
- **TSDSI webinar on "Private Wireless Networks for Smart Factory and its Used Cases":**
 - 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).

ICT:

- **Webinar on World of Standards: M2M/IoT & Emerging Technologies:**
 - SESEI was approached by the Invest India to share his knowledge and expertise in the domain of IoT Standardization both in India as well as Europe and Globally. SESEI also engaged with TEC and CDOT to participate in the webinar and provide comprehensive information on the IoT standards, its deployment etc. to the Invest India and Ministry of Electronics and Technology Officials.
- **Webinar on "Green ICT" by TEC in association with ETSI:**
 - On the request of TEC, SESEI organized this webinar. The webinar by ETSI Chair of EE TC 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.
- **Presentation cum Knowledge Session on 5G SEP Leadership organized by TSDSI & DoT:**
 - Standards, Research & Innovation (S-R-I) Division of DOT conducted a series of Presentation cum Knowledge Sessions on IPRs & SEPs. The 2nd such session on 5G Standard Essential Patent (SEP) Leadership was organized in collaboration with TSDSI and main presented was Ericsson

Key Events

4(4)

Description	Total Until now	Last Qtr (July, Aug, Sept)
Events/Seminar/Workshop /Roundtable	288	38

ICT contd.:

- **IITB-TSDSI Webinar on 'End-to-End 5G Testbed - An Overview':**
 - 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.
- **BIS Webinar on Multi Cloud Data Management - Problems and Solutions.**
 - 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.
- **5G Tests & Pilots: Collaborative Webinar 5G-IA and India TSDSI.**
 - Objective of this webinar was to enable the sharing of information, data, lessons learnt and areas for collaborative 5G Tests and Pilots. Presentations included examples of 5G T&Ps implemented in 5G "hot verticals", such as smart city, smart grid, media broadcast and media production from Europe and India.
- **ITU- APT event on "Looking Beyond 5G Future Technology Trends Towards 6G":**
 - ITU-APT Foundation of India, jointly with 5G India Forum (5GIF) held this webinar to look at the evolution towards 6G and a future wireless connected society and how India can play a significant role in that evolution.
- **The Digital Dialogues on 'Satcom & 5G – The Final Frontier' by BIF:**
 - The session included a panel discussion which had the esteemed speakers deliberated 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.
- **5th edition of 5G India 2021 Virtual Conference & Exhibition, organised by Bharat Exhibitions in collaboration with Broadband India Forum.**
- **National Webinar and live interaction with stakeholders on "Data Privacy Assurance organised by BIS**
 - Details of 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, were shared

Key Queries

Description	Total Until now	Last Qtr (July, Aug, Sept)
No of Queries	85	6

Generic:

- Information regarding purchasing of individual CEN standards: Équipe Qualité Consultants

ICT:

- Article on ICT – Emerging technologies such as 5G, AI and Blockchain and standardization: Communications Today (<https://www.communicationstoday.co.in/ict-emerging-technologies-and-standardization/>)
- Query on oneM2M Security Specification: Infineon Technologies

Services:

- ETSI and ISO standards around Cloud Computing: Services Sector Department II, BIS
- List of ISO/IEC/ETSI/CEN-CENELEC standards on Digital Signature: Services Sector Department II, BIS

Key Draft Standards 1(3)

@ Electrical Equipment including Consumer Electronics:

At BIS:

- **ETD 1(18035)**: Basic and safety principles for man-machine interface marking and identification - Identification of equipment terminals conductor terminations and conductors
- **ETD 25(16911)**: Electrical Requirements for Lifts Escalators and Moving Walks Part 1 Electromagnetic Compatibility With Regard To Emission
- **ETD 28(17951)**: Photovoltaic Devices Part 2 : Requirements for Reference Solar Devices Second Revision
- **ETD 6(18032)**: Hybrid insulators for ac and dc for high-voltage applications - Definitions test methods and acceptance criteria

@ Services

At BIS:

- **SSD-I 3(17289)**: Financial services International securities identification number ISIN
- **SSD-II 1(17288)**: Transportation of Over Dimensional Consignment by Road Guidelines
- **SSD-II 5(17747)**: Healthcare organization management Requirements for patient-centred staffing

Key Draft Standards 2(3)

@ Mobility:

At BIS:

- **TED 29(17481)**: Road vehicles Airbag components Part 1: Vocabulary
- **TED 6(17826)**: Amendment No.1 To IS 13942 (Part 2):2020 Automotive Vehicles – External Projections Part 2- Performance Requirements for vehicles of categories other than M1
- **TED 16(17585)**: Cycles - Safety requirements for bicycles for young children (First Revision) Amendment – 1

At ARAI:

- **Draft Amd 1 to AIS-163**: Procedure for Type Approval of Special Purpose Vehicles (SPV's) for Compliance to Central Motor Vehicles Rules
- **Draft AIS-009 (Rev 2): 2021/D3**: Automotive Vehicles - Installation Requirements of Lighting and Light-signalling Devices for Two and Three Wheeled L Category Motor Vehicles, and E-Rickshaw/E-Cart vehicles, their Trailers and Semi-Trailers
- **Draft AIS-166/DF/July 2021** : Automotive Vehicles – Protective Devices for Two Wheeled Motor Vehicles – Requirements

Key Draft Standards 3(3)

@ ICT

At BIS:

- **LITD 30(17926)**: Information technology Big data reference architecture Part 1: Framework and application process
- **LITD 30(17927)**: Information technology Artificial intelligence AI Use cases
- **LITD 30(17928)**: Information technology Artificial intelligence Overview of trustworthiness in artificial intelligence
- **LITD 30(17929)**: Artificial Intelligence AI Assessment of the robustness of neural networks Part 1: Overview
- **LITD 35(17118)**: Electrotechnical vocabulary Part 871: Active assisted living AAL
- **LITD 35(17123)**: Active assisted living AAL use cases
- **LITD 36(16698)**: Information technology Office equipment Accessibility guidelines for older persons and persons with disabilities

At TSDSI

- 10 New Item proposals, 2 study items and 19 SWIP (Study Work Item Proposal) are under review covering topics of 5G, 6G, VLC/LiFi, Rural Broadband, Broadcast, UAV, IoT, Data Protection etc.

Planned Activities for Next Quarters

- Closure of MoU between CEN-CENELEC & BIS and address comments on ETSI MoU
- Submission of CEN-CENELEC License Agreement to BIS for processing post closure of MoU
- Promotion and possible adoption of Standards on the topics of Services, Digital Signature, Cloud Computing, Artificial Intelligence, Accessibility Part 2 based on EN 301 649 etc.
- Copyright agreement closure to share the 21 Services standards & EN-81series
- Webinar with EU-REI on topics around Circular Economy
- Web Meeting and Webinar with RDSO on topics of mutual interest
- To work with TEC on
 - adoption of oneM2M Release 3 as National Standards
 - adoption of TS 103 701
 - DCMS & Indico Webinar on Code of Practice: Consumer IoT implementation
- Release of One Industry Sector Profile Report: ICT
- White paper on M2M/IoT and emerging technologies: IET SLR WG

Thank you!

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