Quarterly Report No. 8

Brief Summary

May' 2018

Outline

- ❑ Major Updates

- ❑ Key Meetings, Events & Queries (Activity Tracker)

- ❑ Quarterly Report – Snap Shot

- ❑ Key Draft Standards Under Wide Circulation

Major Activities

- **Generic:**
  - Department of Commerce has recently come up with a Draft Indian National Strategy for Standardization (INSS).
  - Cabinet approved the introduction of the Consumer Protection Bill, 2017, to amend the Consumer Protection Act, 1986.

- **Smart Cities:**
  - Government announced names of nine more cities under Smart Cities Mission & Liveability Index
  - India and Germany have inked MoU for "Implementation Agreement in Sustainable Urban Development and Smart Cities in India

- **Electrical Equipment incl. Consumer Electronics:**
  - Cyber security standards for power utilities: Two BIS groups to issue norms within 6 months: IS 16335 update and adoption of IEC 62443 & Guidelines for Certification of Capacitors as per Indian Standards

- **Automotive:**
  - Govt unveils draft National Auto Policy to promote green mobility on Business Standard.
  - Society of Indian Automobile Manufacturers (SIAM) forecasts 100 percent of new electric vehicle sales by 2047.
  - Automotive Research Association of India (ARAI) is working on building a facility that will test EV batteries which is a key part of e-Mobility.

- **ICT:**
  - Department of telecommunication is working on releasing guidelines for the introduction of machine-to-machine (M2M) communication services in India & expects to finalize 5G service roadmap by June
  - Ministry of electronics and IT has issued guidelines for series approvals of products for Implementation of Compulsory Registration Order (CRO) order – Phase III.

Key Meetings 1(3)

Description	Total Until now	Last Qtr (Jan, Feb, March)
External Meetings	196	39
Internal Meetings	94	13

Meeting with TEC:

- Meeting with TEC officials to participate as speaker in ETSI 3GPP ICT Security Workshop
- Meeting with TEC DDG Standardization on ETSI membership, oneM2M ratification and many other queries around global standardization system
- Smart Cities Working Group Meetings to finalize the Smart Cities Design document
- M2M security Working Group meetings to finalize the Report

Meeting with BIS - Senior officials of IRD, LITD & ETD

- Meetings of Panel on Smart Infrastructure and now TC LITD 28.
- Meetings on ETSI MoU, CEN CENELEC MoU
- Meetings for supporting the 3rd Indo-European conference with Heads of IRD, LITD, ETD and TED divisions for discussing the conference agenda and their confirmations as speakers in the sessions

Meetings with TRAI

- TRAI Open House on National Telecom Policy 2018 for seeking recommendations on "Inputs for Formulation of National Telecom Policy – 2018"

Meeting with MEITY

- Presentation to STQC department officials for the adoption of EN 301 549 in India

Key Meetings 2(3)

Associations/Forums/Industry:

- Meeting with the Standards Legal and Regulatory (SLR) WG of the IoT – IET Panel: Chair

- Program Committee Meeting for 5G India 2018 (1st , 2nd & 3rd): SESEI is a member of the 5G Conference Committee constituted by organizer and Department of Telecom for Awareness/ Promotion of 5G technology in India – Agenda & Roundtable including a session on Standards.

- Meeting for Finalization of agenda program: m2m+Iot India Forum 2018: Chair Advisory Board

- Meeting with Dr. Nirmita Narasimhan, India Director with G3ict: adoption of EN 301 549 by India

Various Meetings for Organization of EU – India Conference and Study Report:

- Regular Meeting with CII officials and Program Committee to discuss action items for organization of the Indo-European Conference and Study report on ICT.

- Meeting with CII, EBTC (European Business Technology Centre) & IET IoT Panel to discuss the inputs and finalization of Study Reports

- Meeting with Mr. Ajay Sharma, and team of Get Me Experts. Com for the proposal for content creation and marketing for the 3rd Indo European Conference

Key Meetings 3(3)

Meetings with EU Industry, Delegation Office in India & EU Delegates visiting India

- Meeting with EU-INDIA PI on ICT Standards and Prof Brejesh Lall, IIT Delhi and other important ICT stakeholders on oneM2M Developer tutorial, hackathon and ongoing collaboration ideas

- Meeting with Mr. Maximilian Von Laer, PhD student at University of Berlin seeking information and updates on the standardization system, process and bodies in India

- Meeting with Mr. Gerard Owens, IP5 Coordinator, European Patent Office and EBTC Officials to discuss Standards & IPR in India

- Meeting with Belgium Company - Barco Electronic Systems Pvt. Ltd. On CRO: Extended help to resolve their registration cancellation issue.

Meetings with SESEI Project Partners:

- GoToMeeting with Mr. Carmine Rizzo and members for the ETSI/3GPP ICT Security Workshop
  - **3GPP SA3LI#68 Meeting** from 30th January to 2nd February 2017 (India)
  - **ETSI TC LI # 47 Meeting** from 5th to 7th February 2018 (India)

- GoToMeeting call with IEC and CEN CENELEC officials to review the presentation to be given by SESEI on behalf of CG-SEG Chairman at India Smart Grid Forum 2018

- GoToMeeting with Ms. Chantal Bonardi, ETSI to understand ETSI work around the subject of Broadcasting as strong interest from Indian Industry and Standardization bodies

Events 1(2)

Description	Total Until now	Last Qtr (Jan, Feb, March)
Events/Seminar/ Workshop/Roundtable	111	12

- **Organized: ETSI & 3GPP Workshop on ICT Security - Policy & Standards:** This workshop focused on the crucial role standardization plays in Data Security, Cyber Security, Telecom Security and Lawful Intercept in each country. Subject matter experts from 3GPP and ETSI participated. Workshop was very successful and received appreciation.

- **Speaker: Second IEC-IEEE World Smart Energy Standardization Coordination Workshop:** on behalf of CG-SEG Chairman SESEI represented CEN-CENELEC-ETSI in the India Smart Grid Forum 2018

- **Speaker: Europe-India IP Dialogue: An Enabler for Research & Innovation**", organized by EBTC: SESEI attended ICT focused roundtable presented update on the IP policy of Project Partners, TSDSI and other updates such as EaS, Standards based research, SME.

- **Speaker: The 5th edition of India m2m + iot Forum 2018**: SESEI is the Chair of the Advisory Committee and spearheaded the proceeding at the conference and promoted oneM2M work

Event 2(2)

- **Speaker: 2nd IoT India expo**: SESEI Presented the latest on IoT related standardization

- **Attended: National Conference on Improving Accessibility** organized by Department of Empowerment of Persons with Disabilities under the Ministry of State for Social Justice and Empowerment: EN 301 549 adoption

- **Attended: Launch of BIF/TARI Research Report on Mobile Telephony in India** "Towards a Sustainable Innovation Economy"

- **Attended:** Conference on **Demystifying Indian EMC regulation 2018** organized by Rohde & Schwarz

- **Attended: India Meeting of 3GPP Executives on Catalyzing 5G in India organized by COAI**. The event brought executive 3GPP leaders and international experts on 5G face to face with Government, mobile network operators and other industry stakeholders.

- **Attended:** Inauguration of the **Exhibition on 'German Energiewende'** – German Energy Transition and workshop

Queries 1(2)

Description	Total Until now	Last Qtr (Jan, Feb, March)
No of Queries	140	25

- Query on ETSI work on broadcasting especially in context of ATSC3.0 standards: Indian Industry

- Input to response prepared for questions under study in ITU-T SG-20 covering Use Case on Smart Homes, AMI, e-call: TEC, DoT

- Input on accessibility standards as part of TRAI Consultation Paper of Making ICT Accessible for Persons with disabilities: G3ICT/BIF

- Query on ETSI standards on Free Space Optics a high-speed optical wireless communication in Tera Hertz frequencies: Indian Industry

- Query on Green Passport program in India and other related regulation / activity: Ericsson

- Input to EBG Position Paper for 2018 on M2M, Smart City, Standardisation : EBG India

Queries 2(2)

- Inputs to National Telecom Policy 2018 for incorporating ICT accessible for persons with disabilities as part of Policy: G3ICT

- Query on whether Standard for smart cities include / cover accessibility for persons with disabilities : G3icT

- Inputs to Barco Electronic Systems Pvt. Ltd for CRO issue and cancellation of their product: EU Industry

- Clarification on cybersecurity work at EU: Indian Industry

- Inputs on Budget expectation for the IoT industry in India: IET IoT Panel

- Inputs and assistance to SESEC on procurement of BIS standards, e.g. food, electronics, and steel standards: SESEC

- Information on Indian quality infrastructure (especially standardization and conformity assessment: EC

Quarterly Report: Snap Shot 1(4)

Generic:

- Union Ministry of Commerce and Industry released <u>draft Indian National Strategy for Standardization</u> of products and services to provide level playing field to domestic industry and adopt best global practices.

- Cabinet has approved <u>Consumer Protection Bill</u> , pending Parliament approval

- BIS working on the part two of Indian Standard 16335 which would consider India Smart Grid Forum (ISGF) cyber security manual as reference document

- Bureau of Indian Standards (BIS) has issued <u>Guidelines for Certification of Capacitors as per IS 2993, IS 13340 (Part 1) and IS 13585 (Part 1)</u>

- <u>The Bureau of Indian Standards (BIS) has published Memorandum of Understanding (MoUs) with National Standards Bodies (NSBs) of 23 countries</u>.

Smart Cities:

- Update on 100 Smart Cities Mission
    - <u>09 winning cities in Round 4 of the Smart Cities Challenge announced by MoUD</u>
    - Govt launched <u>liveability standards</u> to rate & rank 116 Indian cities
    - Three Indian cities - Panaji, Pune and Rajkot selected as national finalists in the 2017-2018 edition of WWF's One Planet City Challenge (OPCC).

Quarterly Report: Snap Shot 2 (4)

Electrical Equipment including Consumer Electronics:

- Government is working on amendments to the Electricity Act to levy hefty penalties on power distribution companies.

Automotive:

- Department of Heavy Industries (DHI) has released <u>draft National Auto policy</u> to provide a long-term, stable and consistent policy regime and roadmap: Standards alignment with global standards are part of it

- Society of Indian Automobile Manufacturers (SIAM) presented a roadmap for the complete shift towards electric vehicle regime by 2047.

- ARAI (Automotive Research Association of India) has set up labs for testing BS-VI engines and is planning to start testing facility for Electric Vehicle (EV) batteries in 6 months

- Government decided to cap the life of commercial vehicles(CVs) to 20 years means any CV reaching the 20 year age limit will be automatically de-registered and can not ply on road from April 1, 2020

Quarterly Report: Snap Shot 3(4)

ICT :

@ Department of Telecom (DoT) & Telecom Engineering Centre (TEC), Ministry of Communication

- Telecom department is working on issuing guidelines for M2M service provider registration guidelines

- DoT expects to finalize a roadmap for 5G services by June this year.

@ Ministry of Electronics and IT (Meity)

- MeitY launched Cyber Surakshit Bharat (Cyber Safe India) to strengthen Cybersecurity (PPP): Conceptualized with the mission to spread awareness about cybercrime and building capacity for safety measures: Awareness, Education and Enablement

- Meity released guidelines for Series Approval of Products for Implementation of "Electronics and Information Technology Goods CRO, 2012" –Phase III

Quarterly Report: Snap Shot 4(4)

@Telecom Regulatory Authority of India – TRAI :

- **Consultation Papers:**

  - Formulation of National Telecom Policy 2018.
  - Review of Mobile Number Portability (MNP) process
  - Voice Services to LTE users (including VoLTE and CS Fallback)
  - Method of allocation of spectrum for Public Mobile Radio Trunking Service (PMRTS), including auction, as a transparent mechanism

- **Recommendations & Publications:**

  - White paper on measuring broadband speeds
  - Ease of Doing Business in Broadcasting Sect
  - National Telecom Policy 2018

Key Draft Standards 1(2)

@ Electrical Equipment including Consumer Electronics

- ETD28(12487)W : LED BASED SOLAR LANTERN PART 1 SPECIFICATION

- ETD 31 (12457) : Adjustable Speed Electrical Power Drive Systems – Guide for determination of types of load duty and corresponding current ratings

- ETD 07 (12486) : Dimensions of low-voltage switchgear and controlgear – Standardized mounting on rails for mechanical support of switchgear, controlgear and accessories

- ETD18(12472) : Functional safety of electrical/electronic/programmable electronic safety-related systems -Part 7.

- ETD 44 (12386): Safety of machinery – Electrical equipment of machines – Part 33: Requirements for semiconductor fabrication equipment

@ Automotive:

At BIS:

- TED 27 (12444) : Electricity propelled mopeds and motorcycles — Test specification and safety requirements for lithium-ion battery systems (Identical adoption of ISO 18243:2017)

- TED 27 (12442) : Electricity propelled road vehicles — Test specification for lithium-ion traction battery packs and systems — Part 2: High-energy applications (Identical adoption of ISO 12405-2:2012)

Key Draft Standards 2(2)

@ Automotive

At ARAI:

- Draft AIS-010: Provisions concerning the Approval of Headlamps emitting an Asymmetrical Passing Beam or a Driving Beam or both and equipped with Filament Lamps and/or LED Modules

@ ICT

At BIS:

- LITD 06 (12342) : GUIDE FOR DESIGNING DETAIL SPECIFICATIONS OF RADIO-FREQUENCY COAXIAL CABLES

- LITD 06 (12341): MULTICORE AND SYMMETRICAL PAIR/QUAD CABLES FOR DIGITAL COMMUNICATIONS Part 1: Generic specification

- LITD 07(12440): Audio, video, and related equipment – Determination of power consumption

At TSDSI

- 11 New Items, 3 Study Item (SI), 4 SWIP (Study Work Item Proposal) under review and 12 New Work Items: TSDSI

Thank you!

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