SESEI 3

Seconded European Standardization Expert in India

Newsletter

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CEN - European Committee for Standardization

CENELEC - European Committee for Electrotechnical Standardization

ETSI - European Telecommunications Standards Institute

EC - European Commission

EFTA - European Free Trade Association

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Greeting from SESEI

Dear Readers,

Here's wishing you a very Happy and Joyous Diwali!

We are pleased to bring the sixth edition of "**EU Project SESEI Newsletter India**", filled with news and information around standards and related policies from Europe around Project Priority Sectors.

Realizing the potential of the M2M/IoT in India and its role in India's 100 Smart Cities mission, oneM2M and its partner Telecom Standards Development Society of India (TSDSI) organized its third oneM2M Industry Day in India on the sidelines of their Technical Plenary Meeting. The conference was part of an impetus for an industry-wide common service layer implementation to further progress and grow M2M/IoT deployments.

ETSI is continuously working towards creating and developing new specifications, platforms and standards for the new and emerging technologies. ETSI NFV Industry Specification Group (ETSI NFV ISG) has published 6 new NFV specifications, which is working towards establishing a ubiquitous platform upon which the global adoption of network functions virtualization (NFV) technology can take place.

Similarly, ETSI's Industry Specification Group on Multi-Access Edge Computing (ISG MEC) released a new white paper on Developing Software for Multi-Access Edge Computing on testing and compliance with MEC specifications. The white paper on software development for the network edge is an important tool in helping application developers understand the unique properties of a MEC environment and how to properly architect their applications to fully benefit from MEC. ETSI also released a test methods specification ETSI TS 103 281 to improve the Quality of Service. This specification provides testing methods and models to evaluate conversational services for teleconferences and audio-visual applications.

We would also like to encourage you to read an interesting and informative article penned down by the Lindsay Frost, chairman of ETSI CIM ISG (Context Information Management Industry Specification Group) on how standardization is important to achieve goals set for Smart Cities and bring coherence amongst all the verticals and

stakeholders. CIM ISG is focusing on use of context information for smart cities and other applications.

The 14th Summit between the European Union and India was held in New Delhi, marking 55 years of diplomatic relations between the world's two largest democracies. Many substantial, concrete deliverables were agreed by the leaders at the Summit. The European Commission has also directed to carry out public procurement more efficiently and in a sustainable manner, while making full use of digital technologies to simplify and accelerate procedures.

Taking the e-Health initiative forward under the eStandards project (i.e. eHealth Standards and Profiles in Action for Europe and Beyond) CEN-CENELEC organized a conference, addressing how digital health standards should evolve, building on current best practices to support large-scale eHealth deployment in Europe and globally to create a roadmap for sustainable development of eHealth standards. To promote use of digital technology, CEN-CENELEC have also adopted a Strategic Plan for Digital Transformation, which will enable them to set priorities, take decisions as well as address the increasingly complex landscape of digital technologies, policies, structures, and partnerships in a timely and flexible manner.

CEN-CENELEC have also published reports on the important issues of Energy Efficiency and the need for creating standards for services. Both reports are important from the Indian context as BIS in its amended act have recently included services under the ambit of standards and Govt. of India is putting lot of impetus around Energy Efficiency and renewable. This Report on Energy Efficiency recommends the role of standardization in the field of energy management and energy savings, in terms of financing energy-efficient projects.

EFTA also published its comments on the European Commission's proposal on data privacy in electronic communications, reiterating that it is essential that the regulation strikes the right balance between the protection of consumers and communications on the one hand, and innovation and development of services on the other.

Newsletter also cover details of events and webinars being organized by project partners along with their various white papers and publications.

We invite you to read our newsletter in detail, actively engage and provide us with your valuable feedback and comments to help enhancing our efforts.

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oneM2M hosted third Industry Day in India to advance worldwide IoT adoption

IoT experts collaborate on how to overcome IoT interoperability and security hurdles

The global Internet of Things (IoT) standards initiative oneM2M and its partner Telecom Standards Development Society of India (TSDSI) organised the third oneM2M Industry Day in India, September 20, 2017. The conference is part of a push for an industry-wide approach to further progress and grow IoT deployments, with Deloitte predicting India's IoT market will grow from 1.3 billion USD in 2016 to 9 billion USD in 2020.

India, an ICT powerhouse with a pool of globally recognized research and innovation talent, is characterized by a highly price-sensitive but large volumes-driven market. Region-specific requirements, including modest power availability and diverse digital traffic distribution, need localised innovations. A globally harmonised standards-driven approach will promote the fast adoption and deployment of new technologies in India and worldwide.

"IoT and M2M technologies are key enablers for the National Priority missions, such as Digital India, Smart Cities, and Smart Villages, and adoption of a standards-based approach is essential for economies of scale, interoperability and inclusive innovation," said TSDSI's Director General Pamela Kumar. "The oneM2M Industry Day is a great opportunity for the Indian ecosystem – industry, start-ups, academia and government – to receive the latest updates on global trends and developments.

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21st Global Standards Collaboration Meeting Convenes World's Leading Standards Bodies

The 21st meeting of the Global Standards Collaboration (GSC), a high-level gathering of the world's leading information and communication technologies (ICT) standards organizations, took place from 26-27 September 2017, hosted by the IEEE Standards Association (IEEE-SA) at the IEEE European office in Vienna, Austria.

GSC members shared their priorities and focused on Artificial Intelligence and Smart Cities. The development of artificial intelligence (AI) in autonomous systems will transform society. Advancements in AI-focused areas, such as autonomous vehicles, cognitive computing, and collaborative robotics, are presenting complex public policy and technical challenges. Addressing these challenges requires the use of existing and new standards, which will impact a variety of applications including agriculture, communications, energy, the environment, health care, and transportation.

As smart city solutions move to large-scale implementations, issues such as different population densities, geography, and cultural differences will require global standards on semantics, platforms and other aspects. This will enable interoperability of services across cities and communities. Shared best practices can assist with the deployment of standards-based solutions for smart cities, increasing social and economic benefits.

GSC members also took the opportunity to share information on Intelligent Transportation Systems.

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Smartphones to ease the burden of heart failure

A new app developed by the EU-funded HeartMan project is designed to give heart failure patients extra support in everyday tasks and routine. According to Sofia Marchã from the European Heart Network, this contributes to improving patients' overall quality of life.

'HeartMan follows a human-centered design approach, which means that patients and caregivers informed the design and initial mock-ups were evaluated by potential users. In 2018 a group of patients testing a trial version of the app and system will be organized for continuous improvement based on feedback. It is important to note that heart failure occurs predominantly in the older population, so the app needs to be very user-friendly for people who are not adept at using technology. It should not be too overwhelming in terms of features and reminders, and that it displays the most important features prominently and accessibly. A working prototype is currently in development, but the wristband is already available while the mobile app is still being tweaked.

[Read more...](#)

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CEN and CENELEC at the debate on Standards Essential Patents & Policies

CEN and CENELEC, represented by the Director of Legal Affairs, was invited to speak at the event organized by Leadership EU in Brussels on 25 September 2017 about cutting-edge IP and Antitrust policy issues. The overall goal of the conference-debate was to take a fresh look at the worldwide issue of Standards Essential Patents (SEP) and related policy changes, as well as to the evolution of the related international IP and Antitrust policy issues in both the United States and the European Union.

Panel 2 "SSOs and IPR Policies: their Role in Realizing Future Technologies" particularly focused on the goals and impact of SEP policies, and the pros and cons of alternative business models (other than cooperative SSOs) for generating new technologies. CEN and CENELEC promoted their views on SEP with a specific focus on how licensing conditions should be negotiated between the parties in line with the relevant judgement of the Court of Justice.

More about this [event](#)

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EU-India Summit reviews progress in many areas of the bilateral relationship
and agrees to timely relaunch talks

European Commission President Jean-Claude Juncker attended the 14th Summit between the European Union and India in New Delhi, marking 55 years of diplomatic relations between the world's two largest democracies. The Summit provided an opportunity for leaders to take stock of EU-India cooperation across the full spectrum of cooperation, including tackling global challenges, the economic relationship, and sectoral cooperation.

 A number of substantial, concrete deliverables were agreed by the leaders at the Summit, and are detailed in a [Joint Summit Statement](#). Joint statements on combatting terrorism; on [clean energy and climate change](#); and on [smart and sustainable urbanisation](#) were also adopted. President Juncker said after the Summit: "We agreed that we should take our trading relationship to the next level. It is high time for a Free Trade Agreement between India and the EU. Once the circumstances

are right – and only once the circumstances are right – we will resume. Today's Summit is an important step in the right direction and after hearing Prime Minister Modi I am confident we can move forward. Our chief negotiators will next sit down in November to chart a way forward."

On Trade and investment, leaders expressed their shared commitment to strengthening the economic partnership between the EU and India and to achieving the full potential of this aspect of our relationship. There are efforts on both sides to re-engage actively towards a timely relaunch of the negotiations for a comprehensive and mutually-beneficial Free Trade Agreement. The leaders also reaffirmed the centrality of the World Trade Organisation (WTO) and the importance of enhancing free, fair and open trade for achieving sustainable growth and development.

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ETSI adds extra dimensions to virtualization of communication networks with continued NFV specification activity

The ETSI NFV Industry Specification Group (ETSI NFV ISG) has taken further steps towards establishing a ubiquitous platform upon which the global adoption of network functions virtualization (NFV) technology can be driven thanks to the completion of a series of key specifications. Over the course of the last 3 months, 6 new NFV specifications have been published. These cover virtual network function (VNF) package structure, the dynamic optimization of packet flow routing, and acceleration resource management right through to hypervisor domain requirements. In addition, a total of 18 different work projects have been approved.

Central to these endeavors is the defining of unified application programming interface (API) specifications in order to ensure that widespread multi-vendor interoperability can be achieved. This will mean that the numerous integration challenges that the industry currently faces can be fully addressed, and the pace at which NFV roll-out occurs thereby accelerated. Two of the latest 6 specifications of ETSI NFV, which detail REST APIs for management and orchestration, can be accessed by visiting the following links - ETSI_GS_NFV-SOL_002 and ETSI_GS_NFV-SOL_003. ETSI_GS_NFV-SOL_004 has also been completed, it specifies the format and structure of a VNF Package and is based on the OASIS TOSCA Cloud Service Archive (CSAR) format.

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Strategic Plan on Services Standardization

The 'CEN Strategic Advisory Board on Services (CEN/SAGS)' has recently developed a 'Strategic Plan on Services standardization' in support of CEN-CENELEC Ambitions 2020, and in recognition of the untapped potential for economic growth of the services market in Europe. The plan is addressed to service sector stakeholders, societal stakeholders and National Standards Bodies (NSBs) members of CEN.

The overall aim of the plan is to provide a strong and clear framework to further engage with service stakeholders in view of better understanding their needs. It is part of the actions agreed under the 'Joint Initiative on Standardisation' (JIS), namely Action 12, which refers to encouraging a greater development & usage of European service standards to help integrate Europe's service markets.

Services is a relatively new field of standardization dominated by a significant number of SMEs. Service stakeholders are not always aware of the benefits that standards could bring to both businesses and consumers. This Strategic plan aims to raise awareness about standardization for services. European Standards can indeed make services more secure, accessible and inclusive for vulnerable consumers, as well as help organisations to manage complex service relationships, global supply chains and service level agreements.

While elaborating this Strategic Plan, a series of challenges in the European services' standardization were identified. They relate to the diversity of the services market and to the difficulty in reaching a common understanding about services standardization. Constraints such as the heterogeneity of the services sector, the cultural barriers and the limited resources - linked to the variety of stakeholders involved especially SMEs and micro-enterprises, makes it somewhat difficult to reach a balanced consensus of interests. To this end, the service sectors' associations can play an important intermediary role to help their members represent their expertise.

Download the 'Strategic Plan on services standardization' (PDF format) Read More

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ETSI Multi-Access Edge Computing releases new white paper & work on interoperability

ETSI Industry Specification Group on Multi-Access Edge Computing (ISG MEC) announced two important steps in helping the industry to properly leverage ETSI MEC standards and generate value from MEC deployments.

A new white paper on Developing Software for Multi-Access Edge Computing has been released and the group is starting new work on testing and compliance with MEC specifications. The white paper on software development for the network edge is an important tool in helping application developers understand the unique properties of a MEC environment and how to properly architect their applications to fully benefit from MEC.

The document provides guidance for software developers on how to approach architecting and developing applications with components that will run in edge clouds, such as those compliant with ETSI MEC standards. It summarizes the key properties of edge clouds, as distinct from a traditional cloud point-of-presence, as well as the reasons why an application developer should choose to design specifically for these. It also provides high-level guidance on how to approach such design, including interaction with modern software development paradigms, such as microservices-based architectures and DevOps.

In addition, ETSI MEC ISG is pleased to announce new work on testing and compliance. A forthcoming document will list the functionalities and capabilities required by a MEC compliant implementation. In addition, it will specify a testing framework defining a methodology for the development of interoperability and/or conformance test strategies, test systems and the resulting test specifications for MEC standards. We invite all interested members of the community to join the ETSI MEC ISG and contribute to this work.

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Standards and profiles in action for large-scale eHealth deployment in Europe and beyond

On 26-27 June 2017, the eStandards project (i.e. eHealth Standards and Profiles in Action for Europe and Beyond) organized its final conference at CEN and CENELEC premises in Brussels. The conference was hosted by one of the partners of the project, CEN/TC 251 'Health informatics', represented by CEN Dutch National Member, NEN. It included several workshop sessions for discussions and debates among a multi-stakeholder audience. The conference addressed how digital health standards should evolve, building on current best practices to support large-scale eHealth deployment in Europe and globally.

The project team presented its Roadmap for the collaborative and sustainable development of eHealth standards. The Roadmap entails an agile process framework, linking the needs of a trusted flow of data from the perspectives of the health system, the citizen, the workforce, and the market, to standardized artefacts and interlocked actions in co-creation, governance, and alignment.

Download the Roadmap for collaborative and sustainable development of eHealth standards (pdf format)

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ETSI and OpenFog Consortium collaborate on fog and edge applications

ETSI and the OpenFog Consortium will collaborate to develop fog-enabled mobile edge applications and technologies. The two organizations have recently signed a Memorandum of Understanding (MOU) with intent to benefit organizations working to develop 5G, mission-critical and data-dense applications through fog computing and networking and thus reduce technical overlap across the multitude of domains.

OpenFog will work with the ETSI Multi-access Edge Computing (MEC) Industry Specification Group (ISG). The two organizations will cooperate on Information and Communication Technologies (ICT) standardization and interoperability requirements by sharing and applying selected technical work in process. MEC's work addresses multiple multi-access edge hosts deployed by different operator-owned networks which run edge applications in a collaborative manner. The OpenFog Reference Architecture will extend the mobile edge with a physical and logical multi-layered network hierarchy of cooperating fog nodes that interface between cloud and edge, allowing for interoperability across operators.

One of the first initiatives from the agreement will be focused on Application Programming Interfaces (APIs) which support edge computing interoperability. The recently released package of MEC APIs contain important properties that can be adapted and used in the OpenFog reference architecture. The ETSI MEC specifications also include API framework which provides a framework for delivering services to be consumed or offered by locally hosted or remote authorized applications. By adopting and re-using APIs across the OpenFog and MEC architectures, it will be easier for developers to create common architectures, unify management strategies, and write a single application software module that run on both OpenFog and MEC architectures.

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Financing Tools for Energy Efficiency – An untapped potential for standardization

The Working Group (WG) 'Financing Tools for Energy Efficiency' of CEN-CENELEC's Sector Forum Energy Management (SFEM) has recently published a final report. This report includes recommendations to SFEM regarding the role that standardization can play in the field of energy management and energy savings, in terms of financing energy-efficient projects.

National, European and international standards can be used to assess the benefits and risks associated with energy efficiency investments. Yet, there is a lack of knowledge and understanding among the public regarding the existing standards, the best practices and the available tools. This report outlines the need for raising awareness about the right tools, about the need to establish a work programme for standardisation activities, and to identify and develop the necessary products and services for energy efficiency financing.

Download the 'Final Report of the CEN-CENELEC Sector Forum Energy Management Working Group on Financing Tools for Energy Efficiency' (pdf format)

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Smart Cities Deserve an Easier Task! Standards Will Help

Smart city managers are facing physical and social challenges which will transform communities for good or for ill: climate change, immigration, resource shortages, waste disposal, aging demographics, renewable energy. Cities are using digital technologies (sensors, IoT, Cloud computing, Big Data analytics) to help cope or even thrive. The constraints on public procurement contrast with the great urgency in solving huge social, economic and resource efficiency issues fast enough to benefit citizens. There is even the painful constraint of too few trained experts for writing the RFQs and for analysing both the "state of play" for competing standards and the validity of commercial offerings. Standards can help in overcoming these issues.

Standards are consensus agreements on specifications of technical solutions, so they automatically improve interoperability, help avoid "vendor lock-in", improve economies of scale and provide cost savings. If market or regulatory forces recommend or require certain standards, it helps create a common market, which also improves global market access for products, reduces risk of obsolescence and of cost explosions. Additionally, standardization helps in bringing experts together and aligning interests of stakeholders, dissemination of knowledge and creation of an ecosystem. The speed of reaching consensus depends on the breadth and impact of the topic, as well as the importance of ensuring interoperability of all systems. Read more about
-    How ETSI, CEN, CENELEC and ITU are collaborating to provide the standardization tools
-    ETSI work on Information Management for Smart Cities
-    What is ETSI ISG CIM, what are the benefits, what influence should Smart Cities exert?

Please read more about the standardization efforts being carried out in the Smart City domain in this article by Lindsay Frost, chairman of ETSI CIM ISG

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Increasing the impact of public investment through efficient and professional procurement

To strengthen the Single Market and as part of the continuous effort to stimulate investment in the EU, the Commission has put forward an initiative to carry out procurement more efficiently and in a sustainable manner, while making full use of digital technologies to simplify and accelerate procedures.

Vice-President for Jobs, Growth, Investment and Competitiveness Jyrki Katainen said: "We have put investment centre stage since taking office in November 2014, notably by attracting private capital with the Investment Plan for Europe. Now we want to unlock the full potential of public procurement in ensuring that the €2 trillion spent yearly in public services and products boost our economy, spur innovation and help meet sustainability goals.

Elżbieta Bieńkowska, Commissioner for Internal Market, Industry, Entrepreneurship and SMEs, added: "We encourage public authorities to use public procurement strategically as a tool to obtain better value for tax-payers money and to contribute to a more innovative, sustainable, inclusive and competitive economy. The Commission will continue to assist Member States in doing so, and invites public authorities at all levels of government and other stakeholders to work in a broad partnership." The initiative has four main strands:

- Definition of priority areas for improvement
- Voluntary ex-ante assessment of large infrastructure projects
- Recommendation on professionalisation of public buyers
- Consultation on stimulating innovation through public procurement

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EEA EFTA Comment on ePrivacy

On 22 September Iceland, Liechtenstein and Norway submitted a joint EEA EFTA Comment on the European Commission's proposal for a regulation concerning the respect for private life and the protection of personal data in electronic communications (COM(2017) 10 final). In their comment, the EEA EFTA States underline that it is essential that the regulation strikes the right balance between the protection of consumers and communications on the one hand, and innovation and development of services on the other. In this regard, the EEA EFTA States raise their concerns about the following issues:

- Member States should be able to choose between an opt-in or opt-out approach for the registration of telephone numbers in public directories
- Consumers should be able to identify traders placing telemarketing calls to them
- Member States should be able to choose between an opt-in or opt-out approach for telemarketing
- The regulation should include specific requirements on the harvesting of consent to telemarketing, for example end-users' consent to direct marketing communication can only be given to one trader at a time
- The regulation should not preclude national rules prohibiting traders from placing telemarketing calls at certain specified times
- The regulation should clarify what kinds of marketing communications, such as those made via social media, are covered by Article 16 (1)

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European Standards boosting the Digital Economy

European industry is rapidly transforming through the adoption of a wide range of innovative and digital technologies. Traditional sectors of the economy, including those which were not previously significant digital users, have needs that require standardization responses. To guarantee a flexible and timely response, supported by European standardization, CEN and CENELEC have adopted a Strategic Plan for Digital Transformation. The plan enables CEN and CENELEC to set priorities, take decisions as well as address the increasingly complex landscape of digital technologies, policies, structures and partnerships.
Download the information on the main elements of the 'Strategic Plan for Digital Transformation' (PDF format)

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ETSI releases test methods to improve QoS in the presence of background noise

Background noise is an issue for telecommunications and needs to be taken into account in terminal design. The higher the intended speech quality as e.g. in wideband or super-wideband telephony, the more critical the terminal optimization is.

To tackle this problem, ETSI's technical committee on Speech and multimedia Transmission Quality (TC STQ) has just published testing methods to objectively evaluate the performance of super-wideband and fullband terminals for speech communication in the presence of background noise. ETSI TS 103 281provides testing methods and models to evaluate conversational services for teleconferences and audio-visual applications. It includes state-of-the-art codecs, typical communication packet loss and jitter conditions and recordings in handset, headset, hands-free and car hands-free mode.

To analyse the various parameters influencing speech quality, the new ETSI specification considers the speech quality, the background noise transmission quality and the overall quality. The objective models described in TS 103 281 are based on a huge subjective study conducted with American English, German, and Chinese (Mandarin) speakers. The prediction accuracy of the models is higher than most models currently on the market which is proven by the validation results also provided in the ETSI standard. The STQ committee continues work to develop methodologies, test arrangements and requirements for evaluating the performance of wearable devices for speech communication. The performance evaluation of voice assistant devices e.g. for use in IoT as well as the simulation of room and background noise characteristics in laboratory environments is progressing, new specifications are expected in 2018.

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White Papers/Publications

The ETSI Work Programme 2017-2018 provides an overview of our current standardization projects.
ETSI's work programme is constantly evolving and the most up to date version is publicly available online via our database. It contains full details of all upcoming standards and specifications.

ETSI Developing Multi-Access Edge Computing and starts work on interoperability –EDITION 1
ETSI MEC defines a platform that interfaces with MEC applications and other platforms. The MEC platform is responsible for a myriad of functions, including: receiving DNS records and configuring a DNS proxy/server; hosting MEC services, such as: Radio Network Information, Location and Bandwidth Manager.
Download/Read more...

CEN Strategic plan for standardization to support the services sector helping service providers and users to benefit from European single market
CEN Strategic Advisory Board on Services (CEN/SAGS)' has developed a 'Strategic Plan on Services standardization' in support of CEN-CENELEC Ambitions 2020, and in recognition of the untapped potential for economic growth of the services market in Europe. The overall aim of the plan is to provide a strong and clear framework to further engage with service stakeholders in view of better understanding their needs. Download/Read more

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Civil society: improving, Strengthening and Legitimising the European Standardization system. Download/Read more

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Annual country reports on open internet from national regulators – 2017
Annual reports of the national regulatory authorities (NRAs) on compliance with the provisions on open internet in their respective countries.
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Summary report of the public consultation on the evaluation of Directive 96/9/EC on the legal protection of databases
The public consultation took place between 24 May and 30 August 2017. It was conducted in the context of the ex-post evaluation of the Directive on the legal protection of databases. The aim of the consultation was to understand how the Database Directive, and in particular the sui generis protection of databases, is used, to evaluate its impact on users and to identify possible needs of adjustment. This summary report takes stock of the contributions and presents preliminary trends that emerge from them. A synopsis report will be published in due course.
Read More

Communication on Tackling Illegal Content Online - Towards an enhanced responsibility of online platforms
This Communication lays down a set of guidelines and principles for online platforms to step up the fight against illegal content online in cooperation with national authorities, Member States and other relevant stakeholders. It aims to facilitate and intensify the implementation of good practices for preventing, detecting, removing and disabling access to illegal content

so as to ensure the effective removal of illegal content, increased transparency and the protection of fundamental rights online.

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Cybersecurity - An EU Cybersecurity Agency and an EU framework for cybersecurity certification
To scale up the EU's response to cyber-attacks, improve cyber resilience and increase trust in the Digital single market, the European Commission has proposed a European Union Cybersecurity Agency and the establishment of an EU cybersecurity certification framework.

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A framework for the free flow of non-personal data in the EU

To unlock the full potential of the EU data economy, the Commission is proposing a new set of rules to govern the free flow of non-personal data in the EU. Together with the already existing rules for personal data, the new measures will enable the storage and processing of non-personal data across the Union to boost the competitiveness of European businesses and to modernise public services in an effective EU single market for data services. Removing data localisation restrictions is considered the most important factor for the data economy to double its value to 4% of GDP in 2020.

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Events Calendar 2017

Workshop "Future Evolution of Marine Communication"
ETSI, Sophia Antipolis, France, 7-8 November 2017
ETSI is pleased to announce the workshop "Future Evolution of Marine Communication". The event will take place on 7-8 November 2017, in ETSI Headquarters, Sophia Antipolis, France. SAVE THE DATE! Read more...

Towards Setting Environmental Requirements for 5G
Sophia Antipolis, France, 23 November 2017
ETSI and ITU are pleased to announce the joint workshop "Towards Setting Environmental Requirements for 5G", taking place on 23 November 2017, in ETSI, Sophia Antipolis, France. The one-day workshop will provide a platform for discussion among all relevant parties including policy makers, standardization bodies, vendors, operators and researchers on environmental matters related to 5G. Read more...

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oneM2M Interop 5
4-8 December 2017, Pangyo, South Korea
TTA and ETSI, two of the founding Partners of oneM2M Partnership Project, are pleased to organize the 5th oneM2M Interop event taking place from 4 to 8 December 2017 in Pangyo, South Korea. Read more...

The ETSI Seminar
Sophia Antipolis, France, 4-5 December 2017
The ETSI Seminar is run twice a year (June and December), to provide an intensive course on ETSI, its organization, structure, ways of working and related subjects. It is targeted at those who are new to ETSI or those who need to develop a deeper understanding of how to work effectively in ETSI. Read more...

2nd NFV PLUGTESTS
ETSI Premises, Sophia Antipolis, France, 15-19 January 2018
ETSI's Centre for Testing and Interoperability is organising the second NFV PlugtestsTM event on 15-19 January 2018. The event will be hosted in ETSI's headquarters in Sophia Antipolis, France. Read more...

Making ICT standards fit for Active and Healthy Ageing in Europe
Brussels - CEN-CENELEC Management Centre, 19 October 2017
Standards, mainly those related to ICT as an enabler of Active and Healthy Ageing (AHA), should better meet the needs of Europe's ageing population. Read more

Cities set Standards to be Smarter and more Sustainable
Brussels, Congress Centre Albert Borschette, 19 October 2017
How to replicate smart city solutions? Are standards the right tools for cities?
Can the European Standardization Organizations be part of the cities' journey towards a smart and sustainable future?
Read more

Online Standardization Platform
When: 10 November 2017, 10:00 CET
This Webinar will present the state-of-play about the Joint CEN-CENELEC Working Group 'Online Standardization Platform' under the Digital Transformation Initiative to identify and to develop possible models for the modernization and digital transformation of standards development in CEN and CENELEC. Read more

The DOs and DON'Ts of drafting a Standard
When: 24 November 2017, 14:00 CET
Through our experience of working with all CEN and CENELEC technical bodies our editors have compiled the most relevant advice, so don't miss out on this last Webinar of 2017! Read more

About Project SESEI 3

The SESEI project (Seconded European Standardization Expert in India) is a project co-funded by five European partners, operating from New Delhi, India, with the objective to increase the visibility of European standardization in India and to promote EU/EFTA-India cooperation on standards and related activities. The SESEI Project (http://sesei.eu/) is managed by the European Telecommunications Standards Institute (ETSI - http://www.etsi.org/ - EU recognized Standards Organization for Telecommunication sectors) and is further supported by two other EU recognized Standards Organization, namely the European Committee for Standardization (CEN) and the European Committee for Electrotechnical Standardization (CENELEC) – http://www.cencenelec.eu- which develop and adopt European standards in a wide range of products, services and processes, as well as by the European Commission (www.ec.europa.eu) and the European Free Trade Association (http://www.efta.int/). It is a Standardization focused project, with a priority emphasis on the sectors of ICT, Automotive, Electronic Appliances including Consumer Electronics and Smart Cities etc.

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CEN - European Committee for Standardization www.cen.eu

CENELEC - European Committee for Electrotechnical Standardization www.cenelec.eu

ETSI - European Telecommunications Standards Institute www.etsi.eu

EC - European Commission www.ec.europa.eu

EFTA - European Free Trade Association www.efta.int