

EUTC NEWS

Monthly Newsletter



December 2015-January 2016

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I. Editorial

Dear Members,

The EUTC team hopes this newsletter finds you very well and you had a smooth transition into the New Year 2016.

2015 was definitely a busy year for EUTC. Our Brussels Summit held in May and our Annual Conference held in September in Dublin were hailed as very successful and provided opportunities for learning, sharing and informing members, policy makers and other stakeholders about the vital role that our important part of the industry delivers for businesses and society at large.

Looking ahead, the regulatory agenda for this year in the field of energy and ICT is already shaping up to be a very busy one; 2016 will be a very important year for the delivery of the concrete proposals in Digital Single Market Strategy and legislation to implement the Energy Union.

With this in mind, the importance of the newly-created EUTC Working Groups on Big Data and Data Analytics, Cybersecurity, Smart Grid KPIs, New Business Models, and Utility and Telco collaboration all start to come into sharp focus. Therefore, your continuous support and engagement are very important.

On behalf of EUTC, thank you for your continued trust and dedication and we look forward to a productive and successful year!

II. Meetings

EUTC 2016 Brussels Summit: Cybersecurity – A Balancing Act? – 2 to 3 March 2016

The forthcoming EUTC Brussels Summit is scheduled to take place from 2 to 3 March 2016. This event will be an opportunity to raise the visibility and profile of EUTC as a thought leader and expert vis-à-vis EU policy-makers. The summit will take place at Martin's Brussels EU Hotel (Boulevard Charlemagne 80, 1000 Brussels, Belgium). Save the date in your calendar and ensure you are available to hear the latest from the European Commission, Utility Leads and International Industry experts at this informative and network friendly event. For more info, click [here](#).

EUTC 2016 Annual Conference – 27 to 30 September 2016

This year's EUTC annual conference will take place from 27 to 30 September in Frankfurt, Germany. Members will receive more information about the conference soon.

III. Technical information

EUTC responds to consultation on regulatory framework for electronic communications networks & services

EUTC responded to the European Commission's Consultation which closed in December 2015 "Evaluation and review of the regulatory framework for electronic communications networks & services" with input from the Spectrum Committee.

EUTC provides input for the 5G PPP White paper

EUTC provided editorial activity for one of the chapters of the 5G Infrastructure PPP "[White Paper on Energy Vertical sector](#)". A new paper is due for publication during the GSMA Barcelona conference at the end of February 2016.

EUTC takes part in Smart Grids Task Force meeting on 4 December 2015

The last 2015 Steering Committee meeting of the Smart Grids Task Force took place on 4 December 2015. During this meeting the work of the EG3 was agreed to be extended.

You can access presentations on Cybersecurity [here](#), on the EG3 [here](#) and a presentation on the Digital Single Market [here](#).

Please look at page 3 for a table with proposed EG3 workshops and page 23 of the presentation on EG3 for a timeline with DG Energy activities for 2016.

Ongoing Consultations

Members can find a list of ongoing relevant consultations launched by the European Commission below.

Consultation	Deadline	Link
Consultation on Energy efficiency	29 January 2016	http://bit.ly/1I8VEpd
Consultation on Renewables	10 February 2016	http://bit.ly/1PzTETG
Public-private partnership on cybersecurity	11 March 2016	http://bit.ly/1PeK6YX

Developments

I. Public Affairs

GENERAL

The Netherlands takes over rotating Council Presidency

The Netherlands has taken over the [rotating presidency](#) of the Council of the EU from Luxembourg for the next 6 months. This term will offer the Netherlands a unique opportunity to steer the EU's legislative activity according to their national priorities. In the run-up to 2016, the Dutch Presidency published its key priorities: while much of the programme focuses on jobs and growth, the Dutch Presidency will also aim at facilitating negotiations on climate, energy and environment issues.

Priorities in the climate and energy field

Starting right after the COP21 negotiations, the presidency has promised to “ensure an appropriate follow-up” of the new global climate agreement reached in Paris and pledges to make noteworthy progress in the negotiations on legislative proposals implementing the 2030 energy and climate package, including the ETS post-2020 revision, which is likely to face the most intense public scrutiny.

The Commission has identified 2016 as a year of delivery for the Energy Union Strategy and hence, the Dutch Presidency will kick-start Council discussions on the package of policy and legislative initiatives which the Commission is expected to present on 10 February 2016.

Further, given the Netherlands' vital role as a hub in the European energy system, the completion of the internal energy market and, more specifically, the question of how to integrate renewable energy into the energy system is of crucial importance to the Dutch Presidency.

Priorities in the ICT field

The Digital Single Market Package published in May will also be an area of focus. The Presidency is determined to advance the Digital Single Market towards its completion. The Netherlands Presidency will facilitate further discussions on digital platforms, cloud computing and e-Privacy and it is committed to make progress on the announced proposal for a decision of Council and Parliament on the 700MHz frequency band for mobile broadband.

Challenges ahead

In the coming weeks, the relevant Ministers will hold exchanges of views with the European Parliament and Council on each dossier during which further details will be unveiled. However, amid disputes regarding migration and austerity, as well as a very dense regulatory agenda in the field of climate, energy and environment, we already anticipate the Dutch Presidency to face an agenda featuring a number of key issues. However, as one of the six founding members of the EC, the Netherlands is among the most experienced Member States when it comes to EU decision-making.

CYBERSECURITY

MEPs and Council agree on NIS Directive

An informal deal between the Council and the European Parliament on the proposed 'network and information security' (NIS) directive was [approved](#) on 7 December by the EU Member and by the EU Parliament Committee on Consumer Rights on 14 January.

This directive aims at increasing a common high level of digital security in the European Union. In general, the NIS directive tries to do this by improving Member States' national cybersecurity capabilities and foster more cooperation in this area between Member States.

Key infrastructure providers will have to ensure that they can withstand cyberattacks and report digital security breaches to national authorities, and Internet service providers will be required to report serious incidents to national authorities, which in turn will be able to impose sanctions on companies that fail to do so.

Further, this new EU directive will lay down the criteria to determine if a company qualifies as a key infrastructure provider, but member states will be responsible for identifying these key companies

The NIS directive still needs to be formally adopted by the European Parliament. The procedure is expected to be finalised in spring 2016.

Since it's a Directive, the legislation sets minimum standards that EU member states must comply with, but does not prevent states from adopting stricter rules if they are necessary.

CYBERSECURITY

Consultation for Cybersecurity PPP launched

Businesses have been given an opportunity to shape the future work of a new public-private partnership (PPP) on cybersecurity, which was announced in the Digital Single Market Communication. The European Commission has opened a [consultation](#) to ask stakeholders for their views on a range of cybersecurity issues. It said it will use the feedback it receives to establish a new PPP on cybersecurity in 2016.

DATA PROTECTION

Informal agreement on proposed EU data protection rules reached

After 4 years of intense political wrangling, on 15 December 2015, negotiators from the European Commission, the European Parliament and the Council reached an [agreement](#) on the proposed overhaul of the EU data protection rules, backing the General Data Protection Regulation (GDPR) and a Directive on data handling in law enforcement.

Key elements:

- The GDPR will replace the current patchwork of national rules with a single set of provisions designed to increase people's control over their data.
- The GDPR will create a one stop shop mechanism, allowing companies that operate across the EU, to deal with a single data protection authority, instead of 28.
- The text stipulates that companies breaching the provisions of the new Regulation could receive fines of up to 4% of their global annual turnover.
- The question of consent was probably one of the thorniest subjects: under the agreement, the consent consumers give to organisations so that they can legally process their data

should be unambiguous, which would require a clear affirmative action. An explicit consent would need to be given for processing of sensitive personal data and for profiling.

- The Regulation will require companies processing sensitive data on a large scale or collecting information on many consumers to appoint a data protection officer.
- The GDPR will require companies to report data breaches to authorities within 72 hours and potentially also inform the individuals concerned.

On 17 December, the Parliament's Civil Liberties Committee (LIBE) voted to adopt the informal agreement reached on the GDPR and on 18 December, the Committee of Permanent Representatives endorsed the compromise text. A plenary vote of the European Parliament will follow suit in early 2016. This could pave the way for the new rules to apply as of 2018.

Implementation:

There will be a two-year implementation period of the GDPR due to the complexity of the provisions and the necessity to define guidelines and ensure uniform approach.

Justice Commissioner Jourová explained that the first year of the implementation will be used to set up guidelines on sanctions for data breaches for national DPAs. The Commission will closely work together with Article 29 Working Party. A campaign to inform EU citizens and business about their rights and obligations will be rolled out in the second year of the implementation.

DATA PROTECTION | CYBERSECURITY

ePrivacy Directive expected in mid-2017

During a breakfast briefing in the European Parliament on 13 January, Rosa Barcelo, head of sector for digital privacy at DG CONNECT, announced it will come out with a legislative proposal to reform the ePrivacy directive in mid-2017 and said that we could expect movement on the review in the upcoming months. In the spring, the Commission will open a public consultation on the ePrivacy directive. During the public consultation's twelve-week run time, the European Commission wants to hold workshops with telecoms and groups with vested interest in the legislation.

Barcelo estimated that "close to summer" she could give further details about the proposal for a reformed ePrivacy directive, and declined to say more about what changes the Commission wants to see in the legislation.

DATA PROTECTION | DATA TRANSFERS

Article 29 Working Party Chairwoman comments on post-Safe Harbour arrangements

Isabelle Falque-Pierrotin, Chairwoman of the WP, said that after the Safe Harbor deal was invalidated, the WP is increasingly involved in defining operational and strategic decisions for the 28 national data protection authorities (DPAs).

Falque-Pierrotin [said](#) that, despite the announcement of German DPAs with regards to not giving new contracts for binding corporate rules or model contract clauses, there is unity in DPAs approach to post-Safe Harbor arrangements.

The "Article 29 Working Party", which is made up of representatives from the DPAs of each EU Member State, the European Data Protection Supervisor and the European Commission, set 31 January 2016 as the target date to conclude a new deal and has threatened to undertake mass enforcement against illegal data transfers starting in February, if no agreement is reached by then.

The Chairwoman clarified that the end of January deadline does not mean that the DPAs expect a new data transfer agreement to be ready by then. The DPAs want to see some kind of political signal showing that the situation of EU citizens' data in the US when accessed by the intelligence services is understood and taken seriously.

Legal certainty can only be achieved by way of a political solution with the US, which is being called for by all sides. The European Commission hopes to jump-start the talks during the World Economic Forum in Davos, Switzerland from 20 to 23 January. The main goal is to get a broad agreement as soon as possible and iron out the details later.

Commission sources said EU negotiators want to be able to show the group that significant progress has been made and earn some leeway on the January 31 deadline.

The members of the Article 29 Working Party are due to meet on 2 February 2016 to decide whether they will take enforcement action against companies if there is no agreement in place by then and if they come to the conclusion that all transfer mechanisms fall short of EU law.

However, legal experts, government officials and industry watchers have cast doubt over the chances of an agreement being reached by the end of the month.

RADIO SPECTRUM

Radio Spectrum Proposal due next month

After consulting with Member States and stakeholders, the Commission will come up with a legislative proposal in February 2016 on the future use of the Ultra High Frequency (UHF) band (470-790 MHz).

This common approach will build on a report drafted by Pascal Lamy in 2014 on how to use the UHF spectrum most effectively in the coming decades. Lamy proposed that the 700 MHz band should be dedicated to wireless broadband across Europe by 2020 (or by 2022 at the latest). Meanwhile, regulatory security and stability will be guaranteed for terrestrial broadcasters in the remaining UHF spectrum below 700 MHz until 2030. This division will be reviewed by 2025 to assess technology and market developments.

The Commission's initial impact assessment of the upcoming proposal notes that UHF spectrum has unique benefits that cannot be provided by higher frequency bands, as its propagation qualities make it an essential means of providing rural and in-building coverage at low network cost.

The European Commission's proposal is expected to encounter resistance from Member States, as they prefer to coordinate their spectrum policies from the national capitals due to the high economic value of the licenses.

DIGITAL SINGLE MARKET

European plenary adopts position on Digital Single Market Strategy

On January 19, the European Parliament [adopted](#) its (non-binding) report "Towards a digital single market act" with 551 votes in favour, 088 against and 039 abstentions.

During an exchange of views, Andrus Ansip, Vice-President of the Commission, gave a timeline of the upcoming initiatives:

- February: Proposal on 700 MHz;

- March: First proposal on the industrial package, including the EU cloud communication and ICT priority standards;
- May: Regulation on consumer protection, e-commerce, parcel delivery and geo-blocking;
- June- July: telecoms rules review, cyber security;

SMART GRIDS

2nd ELECTRA / WG1 ETP Smart Grids Joint Technical Workshop

On 10 December the 2nd ELECTRA / WG1 ETP Smart Grids Joint Technical Workshop took place in Brussels. The event brought together over 30 Smart grid experts and focused on presenting the Web of Cells concept and challenging it with other alternative architectures for the future grid. All the presentations are accessible [here](#).

DIGITAL SINGLE MARKET

CEN CENELEC - Response to the EC Consultation on Standards in the Digital Single Market

CEN / CENELEC's response to the European Commission Consultation on Standards in the Digital Single Market has been [published](#).

ENERGY EFFICIENCY IN BUILDINGS

MEPs highlight role of building sector in Energy Union Strategy

On 15 December, MEPs adopted Marek Gróbarczyk (PO, ECR) [report](#) for the European Parliament's position on the Energy Union.

MEPs called for a binding 40 % energy efficiency target for 2030 (the Commission sees a 30 % potential) and the application of the "Energy Efficiency First" principle.

MEPs also highlighted the role of the building sector in increasing efficiency, reducing energy imports and creating jobs. MEPs consider that both the depth and the rate of building renovation need to be increased and better insulation promoted.

The majority in favour of the report included MEPs from the EPP (except the Polish Delegation), S&D and ALDE Parties. The ECR and EFDD voted against the report and the Greens abstained.

ENERGY EFFICIENCY

EP briefing on "A new deal for Energy consumers" published

The European Parliament's think tank has published a [report](#) entitled "A new deal for Energy consumers" in January 2016.

On 15 July 2015, the European Commission adopted a Communication on Delivering a New Deal for energy consumers ('New Deal'), as part of the Summer Energy Package. The New Deal is one of several consumer-related actions envisaged in the Energy Union strategy, and is designed to inform future actions in this field, including proposed legislation. The New Deal seeks to encourage the development of smart homes and networks, which will require a range of new energy technologies. The growing use of ICT in smart grids has raised concerns about data protection and the risk of cyber hacking in smart grids. In past resolutions, the European Parliament expressed strong support

for key ideas outlined in the New Deal, and has called for consumers to play a more active role in the energy transition.

INTERCONNECTORS

MEPs urge all EU countries to interconnect their national grids

The European Parliament has [adopted](#) a report entitled 'Achieving the 10% electricity interconnection target – Making Europe's electricity grid fit for 2020' on 15 December.

Through this non-legislative report, MEPs called for a fully integrated EU electricity market in order to cut bills by at least €2 per MWh, and thus save users up to €40 billion a year by 2030.

II. Industry related news

IoT

The Rise of the Internet of Things and the Race to a Zero Marginal Cost Society **The World Post**

The bulk of the energy we use to heat our homes and run our appliances, power our businesses, drive our vehicles and operate every part of the global economy will be generated at near zero marginal cost and be nearly free in the coming decades. That's already the case for several million early adopters in the European Union who have transformed their homes and businesses into micro power plants to harvest renewable energy onsite. Currently, around 25 percent of the electricity powering Germany comes from renewable energies. By 2020, the country aims to increase that to 35 percent. The quickening pace of renewable energy deployment is due, in large part, to the plunging cost of solar and wind energy harvesting technologies. [Full text...](#)

IoT

Siemens chooses Microsoft Azure for “Energy-of-Things” management solution **Microsoft, Enel, Siemens**

“Microsoft Azure is very open. It doesn’t just support Microsoft technology. Open source technology can easily be used on Azure. We needed support for JavaScript, HTML5, MongoDB on Linux, and Node.js. Microsoft Azure provided support for all of these and more.” — Maurizio Bigoloni, Smart Grid Solutions Head of Operations, Siemens

Energy “powerhouses” Siemens and Enel collaborated to create an “Energy-of-Things” power management solution using Microsoft Azure. The new solution allowed them to host applications developed in HTML5, JavaScript, Node.js and MongoDB on Linux. The Siemens-Enel Energy Management System (EMS) integrated energy data and information from sensors to manage smart buildings, electric vehicles and public lighting with renewable energy generation and storage. [Full text...](#)

IoT

Antwerp becomes Europe’s place-to-be for Internet of Things (IoT) experiments

iMinds

The city of Antwerp, Digipolis and iMinds today announce an important next step for the Antwerp 'City of Things' (CoT) initiative. City of Things is a large-scale testing ground, enabling more than 500,000 Antwerp citizens to communicate (and interact) with a huge amount of smart devices and sensors. However, efficient Internet of Things (IoT) communication requires a network; a network that can overcome sensors' inherent limitations (such as restrictions in terms of battery lifetime). 'Long Range Low Power' (LoRa) network technology addresses those challenges and is currently being deployed in the Antwerp city center by experts from iMinds - Antwerp University and Digipolis. Through its LoRa network, Antwerp positions itself as Europe's place-to-be for IoT experiments: the scale on which network, data and user tests can be conducted, and the thriving ecosystem of start-ups and SMEs that can use the network to test their services, make for a unique value proposition. [Full text...](#)

ELECTRO-MOBILITY

E-mobility NSR: Improving the North Sea Electric Mobility Network

European Commission

E-mobility is a fast growing field and of great strategic value to the NSR with many cities seeking to develop strategies and action plans to stimulate electric mobility and encourage the use of electric vehicles in Europe and beyond. The project's objectives, successfully developed and implemented, focused on providing state-of-the-art information on e-mobility, insights on gaps and needs in the field, the development of a NSR smart grid concept with charging points, and the integration of urban freight logistics into the e-mobility network. [Full text...](#)

IoT

The industrial internet needs broadband investment and the right regulation

ETNO

The industrial internet is a huge opportunity for Europe, raising the prospect of self-driving cars, smart cities and new manufacturing techniques. But to work properly it needs new skills, smart regulation and investment in the telecoms infrastructure.

That was the message of POLITICO's "Industrial Internet Era" conference, held on December 8, where experts and decision makers laid out how Europe should approach the new era. The market for the Internet of Things could be worth €330 billion, according to a report by Boston Consulting Group. However, meeting the EU's Digital Agenda targets for broadband roll-out will need an additional €106 billion in investment between 2015 and 2020, the report says. [Full text...](#)

IoT

Roundup Of Internet of Things Forecasts And Market Estimates, 2015

With the potential to streamline and deliver greater time and cost savings to a broad spectrum of enterprise tasks, opportunities for Internet of Things (IoT) adoption are proliferating. It's encouraging to see so many industry-leading manufacturers, service providers, software and systems developers getting down to the hard work of making the vision IoT investments pay off. [Full text...](#)

IoT

New standard for smart appliances in the smart home

Roberto Viola, European Commission

A new European standard for smart appliances called SAREF has been launched in a record time:

less than a year! This standard has been developed by the European Commission in close cooperation with industry and ETSI, the European Telecommunications Standards Institute.

Following a broad consultation with stakeholders and addressing a clear market need, the European Commission financially supported a study to create a language (so-called 'reference ontology') for smart appliances, which has just become a new European standard. [Full text...](#)

IoT

CES 2016: O2 to launch smart-home platform in UK by summer

FINANCIAL TIMES

British mobile group O2 will offer its 25m customers a connected home service bringing together central heating, home security and energy management under a single internet-based platform.

The UK will be the first market in Europe to offer AT&T's "digital life" home management and automation platform to customers under an agreement struck with O2. [Full text...](#)

CYBERSECURITY

Can we build tools to support technology aware regulations and regulations aware technologies in cybersecurity and privacy?

INTEL

When we study policy and technology approaches to cybersecurity and privacy, we discover that there is some level of agreement on high level concepts and principles shared by diverse stakeholders that include technologists and regulators in different geographic regions. However, transition from these principles to specific technology requirements continues to be complicated and is not yet addressed in a structured and broadly applicable manner. The essential role of privacy in cyberspace is universally recognized, and most constituencies support principles of Privacy by Design—proactive rather than remedial support for privacy; privacy as a default setting; privacy embedded in design; full functionality supported by privacy; end-to-end security; visibility and transparency; user centric approach to privacy. However, translation of these principles to specific technology and process requirements continues to present a challenge, and research projects focusing on this translation, such as PRIPARE have created an extensive inventory of tools and methodologies to enable technologists to formulate engineering requirements that are objectively linked to the principles of Privacy by Design. [Full text...](#)

SMART GRIDS

Expanded membership for 2016

EDSO for Smart Grids

The European Distribution System Operators for Smart Grids (EDSO) is pleased to welcome two new full members, Caruna and E.ON, and one new associate member, Netbeheer Nederland, following its Board of Directors and General Assembly meeting.

EDSO Chairman João Torres said, "We are delighted to welcome Caruna, E.ON and Netbeheer Nederland to the association, adding to the diversity and geographic scope of our membership base. We look forward to their contribution to the important EDSO activities foreseen in 2016."

Caruna is Finland's largest distribution system operator (DSO), serving about 20% of the market. Caruna distributes electricity to 650,000 private and corporate customers in South, Southwest and West Finland, as well as in the city of Joensuu, the sub-region of Koillismaa, Lapland and the Satakunta region. Caruna employs 270 employees and contracts directly 1800 additional workers all over Finland. [Full text...](#)

'Designetz' – to help transform the energy industry

RWE

The Federal Ministry for Economics and Energy is likely to grant double-digit millions of development funding to the energy transformation project 'Designetz' which RWE plans to implement in collaboration with 46 partners from science, municipalities and industry. RWE is the lead partner of the consortium behind 'Designetz' (Design Network) which, technically speaking, will be the most extensive pilot project ever undertaken to integrate renewables into the energy system. The project addresses key prerequisites for effective transformation of the energy industry – intelligent networking of many decentralised electricity producers and consumers everywhere from rural to urban and highly industrialised centres. 'Designetz' will be implemented in the three states of North Rhine-Westphalia, Rhineland Palatinate and Saarland where more than a quarter of the German population lives. [Full text...](#)

TSOs

ENTSO-E Launches 2016 Annual Work Programme

ENTSO-E

ENTSO-E has launched its 2016 Annual Work Programme which outlines planned actions towards the delivery of ENTSO-E's mandated work, but also its strategic planning and other activities with regard to the internal energy market and closer TSO cooperation. The 2016 Annual Work Programme was made available for public consultation in 2014. The full programme is available [here](#).

5G

What we learned about 5G in 2015

International Data Group

The next big mobile standard will have to serve IoT, smart cars and more. The much-anticipated 5G mobile standard won't be finished until 2020, but the people who will make it happen were busy throughout 2015 trying to define it. One thing that's clear already is that 5G won't be like 4G. Rather than just making phones and tablets faster, the next generation of mobile technology will be asked to serve many uses, each with different requirements. This was a year for sorting through those demands. "A lot of progress has been made," said Tolaga Research analyst Phil Marshall. "Effectively, we're trying to find the right set of technologies to use." [Full text...](#)

DSOs

'Digital DSO' – a vision and the regulatory environment needed to enable it

EDSO has [issued](#) a position paper which posits a vision for a 'Digital DSO,' capturing the key messages of its recent responses to the European Commission's consultations on electronic communications, data flows and ICT standards.

The paper starts by identifying the digital trends facing DSOs. It then explains how its members are increasingly deploying digital technologies and data solutions associated with these trends to improve their business performance and customer service. Finally, it outlines the regulatory environment necessary to enable the development of digital DSOs. This includes policy recommendations in the following areas:

- Digital Single Market and related regulation;

- revisions to Third Energy Package;
- cost recovery to fund investment in digitalisation and smart grids;
- publicly-funded Research & Innovation.

Agenda

I. Forthcoming relevant events in Europe

- [25 January 2016: Big Data: Key to the Future or the End of Privacy?](#)
- [27 January 2016: ETSI Workshop on Future Network Technologies](#)
- [03 February 2016: EU High Level Dialogue On Spectrum-Related Issues](#)
- [15- 16 February 2016: Grid+Storage regional workshop: Iberia](#)
- [19-21 February 2016: 2nd International Conference on Information Systems Security and Privacy – ICISSP 2016](#)
- [23-24 February 2016: Citizens' Energy Forum in London](#)
- [24 February 2016: RSPG #39 plenary meeting](#)
- [29- 01 March 2016: Grid+Storage regional workshop: Croatia, Italy, Malta, Slovenia, Switzerland](#)
- [09- 10 March 2016: Grid+Storage regional workshop: Germany, Hungary, Slovakia, Poland](#)
- [14- 15 March 2016: Grid+Storage regional workshop: Ireland, UK](#)
- [22-23 March 2016: Grid+Storage first regional workshop](#)
- [23 May 2016 - 27 May 2016: 5G PPP projects at the IEEE ICC 2016](#)
- [08 June 2016: RSPG #40 plenary meeting](#)
- [09 November 2016: RSPG #41 plenary meeting](#)

II. Dates of summits and annual conferences

- 2-3 March 2016: EUTC 2016 Brussels Summit: Cybersecurity – A Balancing Act?
- 27-30 September 2016: EUTC 2016 Annual Conference