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| **Regional Preparatory Meeting for WTDC-17 for Europe (RPM-EUR)**  | P:\SUP\Logos\Post-150th Anniv\ITU-logo-UNblue.jpg |
| **Vilnius, Lithuania, 27-28 April 2017** |
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| REGIONAL INITIATIVE ON UBIQUITOUS RESILIENT HIGH SPEED BROADBAND INFRASTRUCTURE AND SERVICES  |
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| **Priority area:**Priority setting for Regional Initiatives, related projects and financing mechanisms**Summary:**With the rapid development of information and communication technologies, the globally connected world has become a reality faster than expected, where the IoT and ultra high speed broadband technologies play a fundamental role in the fields of energy, transportation, health, agriculture, banking, disaster management, public safety and home network. Ubiquitous high speed connectivity plays a vital role in transforming economies and societies as it empowers families, people, societies and businesses, in developing countries, economies in transition as well as developed countries, when deployed bearing in mind the need for inbuilt resilience and promoting confident usage.Due to differences in European countries, there is a need for a regional initiative, through which administrations in need may be assisted in embracing ultra high speed broadband connectivity, including emerging 5G, to ensure accelerated sustainable development in the middle and long term.**References:**WTDC Resolution 17 (Rev. Dubai, 2014) |

**Background**

With the rapid development of information and communication technologies, the globally connected world has become a reality faster than expected, where the IoT and ultra high speed broadband technologies play a fundamental role in the fields of energy, transportation, health, agriculture, banking, disaster management, public safety and home network. Ubiquitous high speed connectivity plays a vital role in transforming economies and societies as it empowers families, people, societies and businesses, in developing countries, economies in transition as well as developed countries. Networks should be deployed having in mind the need for inbuilt resilience and they should offer a confident usage for users.

Due to differences in European countries, there is a need for a regional initiative, through which administrations in need may be assisted in embracing ultra high speed broadband connectivity, including emerging 5G, to ensure accelerated sustainable development in the middle and long term.

There is a need to promote awareness of the benefits of high speed connectivity to users and to decision-makers and train technicians in its effective deployment. A conducive environment also requires investment through an optimal manner, synergic plans that are facilitated with cross sectoral infrastructure sharing and service deployment with the context of collaborative regulation.

**Proposal**

To focus a regional initiative on facilitation of deployment of high speed connectivity with resilient and synergistic infrastructure sharing whilst ensuring a trusted and quality user experience.

**Title:** Regional Initiative on Ubiquitous Resilient High Speed Connectivity

**Objectives:** Accelerate and facilitate the deployment of ultraspeed new broadband services through the deployment of resilient and modern infrastructure which includes 5G technology and cross sectoral infrastructure sharing synergies (such as with the energy networks) equipped with effective mechanisms for quality of service monitoring for efficient and impactful ICT development.

**Expected Results:**

Assistance to the countries in need in the following:

* Development of plans (national and regional) and feasibility studies for deployment of ubiquitous resilient high speed connectivity with all relevant components including legislations, standards, organisational set-up, capacity building and cooperation mechanisms, as needed.
* Sharing of guidelines on collaborative regulation between the telecommuncation sector and other sectors such as energy, railway, transportation etc. (mechanisms for collaboration, regulatory incentives, financing, security, reliability etc.).
* Sharing of best practices and case studies in NGA (Next Generation Access) network roll-outs.
* Mapping of the ubiquitous infrastructure and services fostering harmonization of approaches across the region.
* Establishment of a system for measuring and monitoring of the quality of services and development of consumer protection frameworks, so consumers are protected when the service is not offered with the minimum quality.
* Assessment of dynamics, challenges and opportunities of roll-outs of diverse broadband technologies across Europe – including mobile (4G, LTE, 5G), fixed (xDSL, G.Fast, fiber, etc.), cable TV, power – in the context of the creation of ubiquitous resilient high speed broadband infrastructure.

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