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| **Regional Preparatory Meeting for WTDC-17 for Asia and the Pacific (RPM-ASP)**  | P:\SUP\Logos\Post-150th Anniv\ITU-logo-UNblue.jpg |
| **Bali, Indonesia, 21-23 March 2017** |
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| **Singapore** |
| PROMOTING THE ADOPTION OF INTERNET OF THINGS APPLICATIONS AND SERVICES |

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| **Priority area:**Other proposals**Summary:**The Internet of Things (IoT) is a key enabler of the Information Society which offers an opportunity to transform city infrastructure, from intelligent buildings and transportation systems to smart energy and water networks. A Cisco report has also estimated that up to 50 billion devices could be connected by 2020, impacting nearly every aspect of our daily lives. Considering the developments in IoT and the progress made since the last WTDC-14 and PP-14, Singapore would like to propose a new resolution which would look at how the ITU-D can work with ITU-T and ITU-R as well as other relevant stakeholders to provide the necessary assistance to developing countries interested in IoT development and technologies. **Expected results:*** Strengthened capacity of Member States to develop enabling policy, legal and regulatory frameworks conducive to development of telecommunications/ICT.
* Improved capacity of ITU membership to leverage ICT applications, including mobile, in high priority areas

**References:**- Resolution 197 (Busan, 2014) of the PP on facilitating the IoT to prepare for a globally connected world- ITU-R 66 (Geneva, 2015) of the RA on studies related to wireless systems and applications for the development of the Internet of Things (IoT)- Resolution 98 (Hammamet, 2016) of the WTSA on enhancing the standardisation of Internet of Things and Smart Cities and Communities for global development |

DRAFT RESOLUTION XXX (Bueno Aires, 2017)

**Promoting the Adoption of
Internet of Things (IoT) Applications and Services**

The World Telecommunication Development Conference [Bueno Aires, 2017]

recalling

1. Resolution 139 (rev., Busan, 2014) of the Plenipotentiary Conference on use of telecommunications/information and communication technologies to bridge the digital divide and build an inclusive information society;
2. Resolution 197 (Busan, 2014) of the PP on facilitating the IoT to prepare for a globally connected world;
3. Resolution 200 (Busan, 2014) of the PP on Connect 2020 Agenda for global telecommunication/information and communication technology development;
4. Resolution 50 (rev. Dubai, 2014) of the World Telecommunication Development Conference on optimal integration of information and communication technologies;
5. Resolution 77 (Dubai, 2014) of the WTDC on broadband technology and applications for greater growth and development of telecommunication/information and communication services and broadband connectivity;
6. ITU-R 66 (Geneva, 2015) of the RA on studies related to wireless systems and applications for the development of the Internet of Things (IoT);
7. Resolution 98 (Hammamet, 2016) of the WTSA on enhancing the standardisation of Internet of Things and Smart Cities and Communities for global development,

recognising

a) the potential of ICTs as a key enabler of socio-economic development which can be better harnessed to achieve the 17 Sustainable Development Goals (SDGs) adopted in Resolution 70/1 of the United Nations General Assembly;

b) the WSIS +10 Review Process, in particular Resolution 70/125 of the United Nations General Assembly (UNGA) on the overall review of the implementation of the outcomes of World Summit on the Information Society (WSIS) and the WSIS +10 Statement on the Implementation of WSIS Outcomes;

c) the work of the ITU-T Study Group 20 (SG20) on IoT and its applications including smart cities and communities,

noting

a) that the application of IoT is expected to encompass many different sectors, including but not limited to energy, transportation, health, agriculture, etc;

b) that the impact of the IoT will be more pervasive and far-reaching due to the wide-range applications in Information and Communication Technology (ICT) sectors and non-ICT sectors;

c) that the development of IoT will hinge upon the active participation of governments, industry and other relevant organisations and entities;

d) that special attention should be given to developing countries as they may have limited resources and to build an inclusive society,

resolves

for the ITU to promote the development and adoption of IoT applications and services which would contribute to the achieving of the SDGs and the Connect 2020 Agenda,

instructs the Director of the Telecommunication Development Bureau

1 to encourage and assist those countries, in particular the developing countries, which need support in adopting IoT applications and services;

2 to facilitate discussions and exchange of best practices, through the organization of workshops and training sessions on the challenges and benefits of IoT applications and services;

3 to seek partnerships and collaboration opportunities with relevant organisations and entities to facilitate the development and adoption of IoT applications and services;

4 to work closely with the Directors of the Radiocommunication Bureau (BR) and the Telecommunication Standardization Bureau (TSB) to provide assistance to countries on the use and interpretation of ITU Recommendations, to disseminate guidelines and outcomes from related studies which would encourage the adoption and promotion of IoT IoT applications and services,

invites Member States

1 to undertake efforts to implement appropriate policies, regulation, standards that would foster an enabling environment for the further development and adoption of IoT applications and services;

2 to participate actively in regional and global programmes, platforms, fora, dealing with experiences and best practices in the development and adoption of IoT applications and services.

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