**PACP-27**

**PRELIMINARY APT COMMON PROPOSAL**

**MODIFICATIONS TO WTDC RESOLUTION 85**

**FACILITATING THE INTERNET OF THINGS AND SMART SUSTAINABLE CITIES AND COMMUNITIES FOR GLOBAL DEVELOPMENT**

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| **Summary:**  It is proposed to amend text of Resolution 85 of WTDC (Rev. Kigali, 2022) to enhance capacity building for digital talent in developing countries, thereby advancing inclusive IoT and smart sustainable city deployment. Considering that IoT and SSC&C can be key enablers for digital transformation, including in rural and remote areas, the amendment encourages member states to consider SSC&C planning as appropriate to local contexts using emerging technologies.  **Expected Results:**  APT Member administrations invite WTDC to examine the proposal and approve the changes to Resolution 85.  **References:**  WTDC Resolution 85 of WTDC (Rev. Kigali, 2022) |

1. **PROPOSALS**

APT Member administrations propose to modify WTDC Resolution 85, according to the annex below.

**ANNEX**

MOD

Resolution 85 (Rev. Baku, 2025)

**Facilitating the Internet of Things and smart sustainable cities and**

**communities for global development**

The World Telecommunication Development Conference (Baku, 2025),

*recalling*

1. Resolution 197 (Rev. Bucharest, 2022) of the Plenipotentiary Conference, on facilitating the Internet of Things (IoT) and smart sustainable cities and communities (SSC&C);
2. Resolution ITU-R 66-2 (Rev. Dubai, 2023) of the Radiocommunication Assembly, on studies related to wireless systems and applications for the development of IoT;
3. Resolution 98 (Rev. New Delhi, 2024) of the World Telecommunication Standardization Assembly, on enhancing the standardization of Internet of Things, digital twins and smart sustainable cities and communities (SSC&C) for global development;
4. Resolution 50 (Rev. Kigali, 2022) of this conference, on optimal integration of information and communication technologies (ICTs);
5. that the ITU Strategic Plan for 2024-2027, adopted by Resolution 71 (Rev. Bucharest, 2022) of the Plenipotentiary Conference, entrusts the Union with fostering a conducive policy and regulatory environment for innovation and investment, thereby driving social and economic growth;
6. Recommendation ITU-D 22 (Dubai, 2014) of the World Telecommunication Development Conference (WTDC), on bridging the standardization gap in association with regional groups of the study groups;
7. Resolution 139 (Rev. Bucharest, 2022) of the Plenipotentiary Conference, on use of telecommunications/ICTs to bridge the digital divide and build an inclusive information society;
8. Resolution 77 (Rev. Buenos Aires, 2017) of WTDC, on broadband technology and applications for greater growth and development of telecommunication/ICT services and broadband connectivity;

*i)* Resolution 200 (Rev. Bucharest, 2022) of the Plenipotentiary Conference, on the Connect 2030 Agenda for global telecommunication/ICT, including broadband, for sustainable development,

*noting*

the work carried out by the United for Smart Sustainable Cities (U4SSC) initiative, launched by ITU together with the United Nations Economic Commission for Europe (UNECE) in May 2016,

*considering*

1. that the development of IoT technologies will have a positive impact on both ICT and non-ICT sectors, including health, agriculture, transport and energy in view of the applications provided;
2. that IoT deployment will contribute significantly to the successful implementation of the 2030 Agenda for Sustainable Development;
3. that the development and deployment of IoT will benefit from cooperative efforts at the regional and global level;
4. that the development and implementation of IoT and the creation of SSC&C will hinge upon the active participation of governments, industry and other relevant international and regional organizations and stakeholders;
5. that special support should be given to developing countries, as they may have limited resources and digital skills to build an inclusive society;
6. that IoT and SSC&C can be key enablers for the information society and digital transformation, including in rural and remote areas;
7. that public-private partnerships may support the efficient implementation of IoT and SSC&C,

*recognizing*

1. the important role of ITU and, in particular, that of ITU-D, in encouraging telecommunication/ICT development at the global level; and in particular the relevant work carried out by ITU-D study groups;
2. the role of the ITU Telecommunication Standardization Sector (ITU-T) and, in particular, that of ITU-T Study Group 20, in carrying out studies and standardization work associated with IoT and its applications, including SCCs, and coordinating with other organizations working in these two areas;
3. the role of the ITU Radiocommunication Sector (ITU-R) in conducting studies on the technical and operational aspects of radio networks and systems for IoT;
4. that U4SSC is a United Nations initiative coordinated by ITU, UNECE and the United Nations Human settlements Programme (UN-Habitat) to achieve Sustainable Development Goal (SDG) 11,

*resolves*

that ITU-D, in close collaboration with ITU-T and ITU-R, promote the adoption of IoT and the development of SSC&C, in order to maximize the benefits in advancing socio-economic development and contribute to achieving the SDGs and the Connect 2030 Agenda,

*instructs the study groups of the ITU Telecommunication Development Sector, each according to its mandate*

1. to collect national and regional experiences on the adoption of IoT and SSC&C and prepare guidelines for the implementation of IoT and SSC&C on the basis of ITU Recommendations and contributions from other organizations;
2. to carry out studies on the opportunities and challenges in the implementation of IoT and SSC&C;

3 to identify case studies on the application of IoT and SSC&C, focusing on factors affecting the roll-out of IoT and SSC&C.

*instructs the Director of the Telecommunication Development Bureau*

1. to support Member States, in particular the developing countries, in adopting IoT and SSC&C through providing relevant information, expertise, capacity building and accumulation of best practices aimed at facilitating the development of enabling environments and infrastructure, attracting investment and fostering digital innovation ecosystems;
2. to facilitate deployment and adoption of IoT and SSC&C, especially in developing countries, through projects under the United Nations development systems and in accordance with No. 118 (Article 21) of the ITU Constitution;

3 to work in collaboration with the ITU Sectors and in coordination with international and regional organizations and all the stakeholders in order to establish a favourable environment to enable the exchange of knowledge, expertise and best practices to support the deployment of IoT and SSC&C, including applications and services, by organizing workshops and forums at both regional and international levels.

*instructs the Director of the Telecommunication Development Bureau, in collaboration with the Directors of the Telecommunication Standardization Bureau and the Radiocommunication Bureau*

1. to prepare and/or update a report identifying the needs of developing countries related to IoT and SSC&C, based on the work conducted by ITU-T, ITU-R and ITU-D in connection with U4SSC;
2. to collate the work done within ITU relating to IoT and SSC&C, including studies conducted on technology and standards as well as recommendations on policy and regulation, so as to facilitate the development and adoption of IoT;
3. to facilitate discussions and exchange of best practices through the organization of workshops and training programmes on IoT and SSC&C;
4. to foster collaboration among ITU Sectors to discuss how the IoT ecosystem and SSCC technologies can further the achievement of the SDGs and the framework of the World Summit for the Information Society;

5 to provide developing countries with capacity-building opportunities in IoT and SSC&C.*invites Member States, Sector Members, Associates and Academia*

1. to participate actively in ITU studies relating to IoT and SSC&C, including applications and services, by providing all possible assistance;

2 to collaborate and exchange expertise and best practices in this area;

3 to deliver capacity-building courses and training programmes on IoT and SSC&C for developing countries,

*encourages Member States*

1. to adopt appropriate strategies, policies, plans and an enabling environment to facilitate and stimulate the development of SSC&C including applications and services using emerging technologies;
2. to cooperate and share knowledge, expertise and best practices on IoT and SSC&C;
3. to consider SSC&C planning as appropriate to local contexts using emerging technologies.