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| World Telecommunication Standardization Assembly (WTSA-20) Geneva, 1-9 March 2022 |  |
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| PLENARY MEETING | Addendum 33 to Document 36-E |
|  | **8 February 2022** |
|  | **Original: English** |
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| Arab States Administrations | |
| Proposed NEW RESOLUTION [ARB-4] - Development of Open Networks including Standardization of Open Access Networks | |
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ADD ARB/36A33/1

DRAFT NEW RESOLUTION [ARB-4]

Development of Open Networks including Standardization of Open Access Networks

(Geneva, 2022)

The World Telecommunication Standardization Assembly (Geneva, 2022),

considering

*a)* Resolution 90 (Hammamet, 2016) on Open source in the ITU Telecommunication Standardization Sector resolved to support the use of open-source projects in their work, as appropriate;

*b)* that there is a delay in the adoption of new International Mobile Telecommunications (IMT) systems, including IMT-2020 technology, in particular within developing countries, which could be attributed to considerable associated investment with implementation of new technologies;

c) that there are growing trends to develop cloud based open networks, including the IMT access network, with decoupling the hardware from the software including virtualization and containerization of the network functions;

*d)* Resolution ITU‑R 56 “Naming of international mobile telecommunications” which states that IMT collectively encompasses IMT-2000, IMT-Advanced, IMT-2020 and future development of “IMT for 2020 and beyond (e.g. IMT-2030);

*e)* that IMT systems provide telecommunication services on a global scale, and continue to contribute to global economic and social development;

*f)* that IMT systems will continue to contribute remarkably to the bridge of the digital divide worldwide and the achievement of UN Sustainable Development Goals;

*g)* that the ITU Telecommunication Standardization Sector (ITU‑T) is actively continuing its studies on overall network aspects and technologies of IMT;

*h)* that the ITU-T promotes international research and work on IMT standardization activities, with the objective of developing a productive and efficient ecosystem for all stakeholders,

recognizing

*a)* that standardization of new disruptive technologies are important for developing harmonized solutions for the benefits of ICT stakeholders and users;

*b)* that open source and open access network based solutions are being used for the development of IMT and other systems to facilitate and accelerate deployment of new systems, including IMT-2020 and beyond, in a cost-effective manner,

noting

*a)* the growing initiatives of the national, regional, and international standardization efforts and activities for development of technologies and solutions related to the open access networks (e.g., Open Radio Access Network (RAN));

*b)* the relevant communique of the ITU-T CxOs meetings that emphasized on the need to ensure interoperable standardized solutions across Open RAN interfaces, functions, and specifications,

resolves

1 to strengthen and accelerate the standardization activities related to the development of systems based on open source and open access networks technologies and solutions (including the non-radio aspects of Open RAN based IMT systems), as well as to conduct relevant studies on the development of relevant specifications (e.g. IMT-2020 and beyond);

2 to ensure the coordination and collaboration among relevant ITU-T study groups on the development of open access networks, including non-radio aspects of the Open RAN based IMT systems;

3 to support the development of recommendations, supplements, and technical reports for specifications of open networks including open access networks,

instructs the Telecommunication Standardization Advisory Group and all relevant study groups of the ITU Telecommunication Standardization Sector

to establish focus groups and conduct workshops aiming at implementing this resolution,

instructs the Director of the Telecommunication Standardization Bureau

1 to collaborate with the Directors of the Radiocommunication Bureau and the Development Bureau on the implementation of this resolution and to ensure collaboration among the relevant study groups;

2 to collaborate with other Standards Development Organizations (SDOs) on the development of open access networks, including non-radio aspects of the Open RAN based systems.