QUESTION ITU-R 262-1/5

**Usage of the terrestrial component of IMT systems for specific applications**

(2019-2023)

The ITU Radiocommunication Assembly,

considering

*a)* that the first IMT systems started service around the year 2000, and since then IMT systems have been developed and enhanced;

*b)* that IMT systems have contributed to global economic and social development;

*c)* that the further development of IMT systems would provide additional capabilities and continue to be extended to varied usage scenarios;

*d)* that IMT systems are leading the growth and development of industries in the field of ICT;

*e)* that IMT systems are providing benefits of global ecosystem and economies of scale which is helping in faster adoption of ICT; and

*f)* that applicable areas of IMT are expected to be expanded further to various specific applications to facilitate the digital economy, e.g. e-manufacturing, e-agriculture, e-health, intelligent transport systems, smart city and traffic control, etc., which could bring requirements beyond current capabilities of IMT,

recognizing

*a)* that Resolution ITU-R 50 addresses the role of the Radiocommunication sector in the ongoing development of IMT;

*b)* that Question ITU-R 229/5 addresses in general terms the further development of the terrestrial component of IMT;

*c)* that Question ITU-R 209/5 addresses the use of the mobile, amateur and the amateur‑satellite services in support of disaster radiocommunications;

*d)* that Recommendation ITU-R M.2083 defines “the framework and overall objectives of the future development of IMT for 2020 and beyond”;

*e)* that Recommendation ITU-R M.2150 defines the specifications of the terrestrial component of IMT-2020;

*f)* that Report ITU-R M.2441 addresses the emerging usage of the terrestrial component of IMT;

*g)* that Report ITU-R M.2291 contains studies related to the usage of IMT for broadband public protection and disaster relief applications,

noting

*a)* that several groups and organizations inside and outside ITU-R are studying technologies, usages and spectrum for specific applications based on IMT systems;

*b)* that IMT systems are now being deployed in industrial and enterprise networks, including public, private and local applications,

*decides* that the following Questions should be studied

1 What are the specific industrial and enterprise applications, their emerging usages, and their functionalities, that may be supported by the terrestrial component of IMT?

2 What are the technical characteristics, operational aspects, and capabilities associated with specific industrial and enterprise applications of using the terrestrial component of IMT?

further decides

1 that the results of the above studies should be included in one or more Recommendations, Reports and/or Handbooks;

2 that the above studies described in *decides* should be completed by 2027.

Category: S2