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PROPOSAL FOR UPDATING OF RESOLUTION ITU-R 56

Resolution ITU-R 56 deals with the relationship between the terms “IMT-2000”, and “IMT-Advanced” and “IMT-2020” and assigns a name to those systems, system components and related aspects that include new radio interface(s) that support the new capabilities of “IMT for 20230 and beyond”.

WP5D is currently working on Radio interface technologies towards the future development of IMT, based on input contributions from ITU-R and external organizations, in accordance with the principles set out in Resolution ITU-R 9.

During the last working party 5D meeting, work was initiated for updating of this important ITU-R Resolution that will be considered by RA-23. It is therefore important to keep this resolution updated.

This contribution proposes some further updates to this resolution.

Attachment: 1

ANNEX 1

DRAFT REVISION TO RESOLUTION ITU-R 56-2*

Naming for International Mobile Telecommunications

(2007-2012-2015-2023)

Introduction

This Resolution clarifies the relationship between the terms “IMT-2000”, “IMT-Advanced” and “IMT-2020” and assigns a name to those systems, system components and related aspects that include new radio interface(s) that support the new capabilities of “IMT for 2030 and beyond”.

Related Recommendations

Recommendation ITU-R M.687:	International Mobile Telecommunications-2000 (IMT-2000).
Recommendation ITU-R M.1457:	Detailed specification of the terrestrial radio interfaces of International Mobile Telecommunications-2000 (IMT-2000).
Recommendation ITU-R M.1645:	Framework and overall objectives of the future development of IMT-2000 and systems beyond IMT-2000.
Recommendation ITU-R M.1850:	Detailed specifications of the radio interfaces for the satellite component of International Mobile Telecommunications-2000 (IMT-2000).
Recommendation ITU-R M.2012:	Detailed specification of the terrestrial radio interfaces of International Mobile Telecommunications-Advanced (IMT-Advanced).
Recommendation ITU-R M.2047:	Detailed specifications of the satellite radio interfaces of International Mobile Telecommunications-Advanced (IMT-Advanced).
Recommendation ITU-R M.2083:	IMT Vision – “Framework and overall objectives of the future development of IMT for 2020 and beyond”.
Recommendation ITU-R M.2150:	Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-2020 (IMT-2020)
Recommendation ITU-R M.[IMT.VISION 2030 AND BEYOND]	IMT Vision – Framework and overall objectives of the future development of IMT for 2030 and beyond

* This Resolution should be brought to the attention of ITU-T Study Group 13.

The ITU Radiocommunication Assembly,

considering

- a) that ITU's Vision statement is "Committed to connecting the world"¹;
- b) that International Mobile Telecommunications-2000 (IMT-2000) systems started service around the year 2000, and since then IMT-2000 has been continually enhanced;
- c) that IMT-Advanced systems were developed to provide new capabilities, described in Recommendation ITU-R M.1645, that go beyond those of IMT-2000;
- d) that IMT-Advanced systems started service around the year 2013, and since then IMT-Advanced has been continually enhanced;
- e) that IMT-2020 systems were developed to provide new capabilities, described in Recommendation ITU-R M.2083, that go beyond those of IMT-Advanced;
- f) that IMT-2020 systems started service around the year 2020, and since then IMT-2020 has been continually enhanced;
- g) that in order to address evolving user needs, ITU-R is currently working on the future development of "IMT for 2030 and beyond",

recognizing

- a) that ITU is the internationally recognized entity that has sole responsibility to define and to recommend the standards and frequency arrangements for IMT systems, with the collaboration of other organizations such as standard development organizations, universities, industry organizations and with partnership projects, forums, consortia and research collaborations;
- b) that ITU works globally in accordance with Resolution ITU-R 9 to create a unified wireless mobile communications future;
- c) that ITU may specify its processes and principles for the development of IMT systems;
- d) that Recommendations ITU-R M.1457, ITU-R M.2012 and ITU-R M.2150 are three separate, independent and self-contained Recommendations, each one with a specific scope, and that these Recommendations will evolve independently and there could be some overlap reflected by commonality in content among the three documents;
- e) that the same perspective as indicated in *recognizing d)* may also apply in the future with regard to the Recommendations and Reports related to development of the radio interfaces of "IMT for 2030 and beyond";
- f) that there is a need for a root name to encompass all IMT systems and their further development, collectively;
- g) that, for IMT-2000:
 - the existing term IMT-2000 continues to be relevant and should continue to be utilized;
 - Recommendation ITU-R M.687 defines the objectives for IMT-2000 and subsequently Recommendation ITU-R M.1645 defines the framework and overall objectives of the future development of IMT-2000;

¹ See <http://www.itu.int/en/about/Pages/default.aspx>.

- the detailed specifications of the terrestrial radio interfaces of IMT-2000 are defined in Recommendation ITU-R M.1457, and revisions of this Recommendation should also define the future development of the terrestrial radio interfaces of IMT-2000;
 - the detailed specifications of the radio interfaces for the satellite component of IMT-2000 are defined in Recommendation ITU-R M.1850, and revisions of this Recommendation should also define the future development of the satellite component of IMT-2000;
 - the procedures and processes based on Resolution ITU-R 57 have been successfully applied to the ongoing development of terrestrial IMT-2000 from 2013, and continue to be utilized for the future development of IMT-2000 when revising Recommendation ITU-R M.1457;
- h)* that, for IMT-Advanced:
- the existing term IMT-Advanced continues to be relevant and should continue to be utilized;
 - Recommendation ITU-R M.1645 defines the framework and overall objectives of the development of systems beyond IMT-2000 (i.e. IMT-Advanced);
 - the detailed specifications of the terrestrial radio interfaces of IMT-Advanced are defined in Recommendation ITU-R M.2012, and revisions of this Recommendation or new Recommendations should also define the future development of the terrestrial radio interfaces of IMT-Advanced;
 - the detailed specifications of the satellite radio interfaces of IMT-Advanced are defined in Recommendation ITU-R M.2047, and revisions of this Recommendation should also define the future development of the satellite radio interfaces of IMT-Advanced;
 - the procedures and processes developed for IMT-Advanced based on Resolution ITU-R 57 are in place and continue to be utilized for the future development of IMT-Advanced;
 - the enhancements and further developments of IMT-2000 that fulfil the criteria defined by ITU-R for IMT-Advanced could also be part of IMT-Advanced;
- i)* that, for “IMT-2020” :
- the existing term IMT-2020 continues to be relevant and should continue to be utilized;
 - the framework and overall objectives for the future development of “IMT for 2020 and beyond” are described in Recommendation ITU-R M.2083;
 - the procedures and processes developed for IMT-2020 based on Resolution ITU-R 65 are in place and continue to be utilized for the future development of IMT-2020;
 - the Recommendations and Reports related to the development of radio interfaces for IMT-2020 should take into consideration the framework established by Recommendations ITU-R M.1645 and ITU-R M.2083 and by additional Recommendations and Reports addressing the further development of IMT;
 - the detailed specifications of the terrestrial radio interfaces of IMT-2020 are defined in Recommendation ITU-R M.2150, and revisions of this Recommendation or new Recommendations should also define the future development of the terrestrial radio interfaces on IMT-2020;
 - the enhancements and further developments of IMT-2000 or IMT-Advanced that fulfil the criteria defined by ITU-R for development of IMT-2020 could also be part of IMT-2020,

- j)* that, for “IMT for 2030 and beyond”:
- the framework and overall objectives for the future development of “IMT for 2030 and beyond” are described in Recommendation ITU-R M.[IMT.VISION 2030 AND BEYOND];
 - the procedures and processes based on Resolution ITU-R 65 apply;
 - the Recommendations and Reports related to the development of radio interfaces for “IMT for 2030 and beyond” should take into consideration the framework established by Recommendations ITU-R M.[IMT.VISION 2030 AND BEYOND] and by additional Recommendations and Reports addressing the further development of IMT;
 - the enhancements and further developments of IMT-2020 that fulfil the criteria defined by ITU-R for development of “IMT for 2030 and beyond” could also be part of “IMT for 2030 and beyond”,

resolves

- 1 that the term “IMT-2000” encompasses also its enhancements and future developments, and that the concepts of *recognizing g)* apply to IMT-2000;
- 2 that the term “IMT-Advanced” encompasses also its enhancements and future developments, and that the concepts of *recognizing h)* apply to IMT-Advanced;
- 3 that the term “IMT-2020” be applied to those systems, system components and related aspects that include new radio interface(s) which support the new capabilities of systems beyond IMT-2000 and IMT-Advanced, and that the concepts of *recognizing i)* apply to IMT-2020;
- 4 that the term “IMT-2030” be applied to those systems, system components and related aspects that include new radio interface(s) which support the new capabilities of systems beyond IMT-2020, and that the concepts of *recognizing j)* apply to IMT-2030;
- 5 that the term “IMT” be the root name that encompasses all of IMT-2000, IMT-Advanced, IMT-2020 and IMT-2030 collectively.