



## Radiocommunication Bureau (BR)

Addendum 8 to  
Circular Letter 5/LCCE/59

12 February 2021

To Administrations of Member States of the ITU, Radiocommunication Sector Members,  
ITU-R Associates participating in the work of Radiocommunication Study Group 5  
and ITU Academia

Subject: **Information on completion of the first release of the detailed specifications of the radio interfaces for the terrestrial component of International Mobile Telecommunications-2020 (IMT-2020) in Recommendation ITU-R M.2150 and future plans for 'IMT-2020 and beyond'**

### 1 Introduction

In the 36<sup>th</sup> *bis* meeting of Working Party (WP) 5D, Steps 5 to 8 of the IMT-2020 process were completed and IMT-2020 terrestrial radio interface technologies for the first release of the specifications to be included in the draft new Recommendation [ITU-R M.2150](#) "Detailed specifications of the terrestrial radio interfaces of IMT-2020" were forwarded to ITU-R Study Group 5 in November 2020 for consideration under Resolution [ITU-R 1-8](#).

With the approval of this Recommendation, now designated as ITU-R M.2150 "Detailed specifications of the terrestrial radio interfaces of IMT-2020", as announced in Administrative Circular [CACE/973](#) all steps of the process as previously communicated in this Circular Letter [5/LCCE/59](#) and prior Addendums for the first release of IMT-2020 have been completed.

This Addendum 8 of the Circular Letter 5/LCCE/59 provides additional information on this Recommendation ITU-R M.2150 and the "IMT-2020 and beyond" future process.

### 2 Additional information on the first release of the specifications for the terrestrial radio interfaces of IMT-2020

ITU-R has determined that the IMT-2020 candidate technology submission proposals of Documents IMT-2020/13, IMT-2020/14, IMT-2020/15, IMT-2020/16, and IMT-2020/19(Rev.1) successfully completed Step 8 and all preceding Steps of the IMT-2020 process (see Report [ITU-R M.2483-0](#)).

The above terrestrial radio interface technologies are incorporated in the Annexes of Recommendation ITU-R M.2150 under the following designations:

- "3GPP 5G-SRIT"<sup>1</sup> as contained in Annex 1 of the Recommendation which provides the detailed specifications of the technologies in Documents IMT-2020/13 and IMT-2020/15.

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<sup>1</sup> Developed by 3GPP Proponent as 5G, Release 15 and beyond – LTE+NR SRIT.

- “3GPP 5G-RIT”<sup>2</sup> as contained in Annex 2 of the Recommendation which provides the detailed specifications of the technologies in Documents IMT-2020/14, IMT-2020/15, and IMT-2020/16.
- “5Gi”<sup>3</sup> as contained in Annex 3 of the Recommendation which provides the detailed specifications of the technologies in Document IMT-2020/19(Rev.1).

### **3 Future plans for ‘IMT-2020 and beyond’**

Resolution [ITU-R 65](#) on the “Principles for the process of future development of IMT for 2020 and beyond”, in *resolves 6h*) indicates that the IMT-2020 standardization process should be “an ongoing and timely process where new radio interface technology proposals may be submitted and existing radio interface specifications can be updated”.

In 2021, ITU-R will define the schedule for future revisions of the Recommendation ITU-R M.2150, to accommodate any future new, improved, or updated IMT-2020 candidate technology proposals beyond the first release, utilizing the same baseline IMT revision and update process currently in place, as applied to IMT-2020.

Working Party 5D has also initiated work on future technology trends for “IMT towards 2030 and beyond”. This work could include anticipating new use cases for IMT and subsequently, identification of any gaps and those technical enablers anticipated to be necessary in the 2030 timeframe. Furthermore, the expectation is to energize the academic and technology communities to engage in the research and developments to build the future for IMT, as the technology evolution requires a long lead time to develop to fruition.

### **4 Updates to the ITU-R web page for the IMT-2020**

Members and Sector members interested in the “IMT-2020 and beyond” development process are kindly requested to periodically check the [WP 5D website](#).

Mario Maniewicz  
Director

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<sup>2</sup> Developed by 3GPP Proponent as 5G, Release 15 and beyond – NR RIT.

<sup>3</sup> Developed by TSDSI as 5Gi RIT.