



Radiocommunication Bureau (BR)

Addendum 4 to Circular Letter
5/LCCE/59

24 July 2019

**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: Acknowledgement of IMT-2020 proposals, future plans and evaluation report requests

1 Introduction

The first invitation for submission of proposals for candidate radio interface technologies (RITs) or a set of RITs (SRITs) for the terrestrial components of IMT-2020 was issued with Circular Letter [5/LCCE/59](#) on 22 March 2016. This Circular Letter also initiated an ongoing process to evaluate the candidate RITs or SRITs for the terrestrial components of IMT-2020, and invited the formation of independent evaluation groups (IEGs) and the subsequent submission of evaluation reports on these candidate RITs or SRITs.

On 4 July 2016, Addendum 1 to the Circular Letter announced the availability of further relevant information including the availability of Document [IMT-2020/2](#) – *Submission and evaluation process and consensus building for IMT-2020*.

On 28 February 2017, Addendum 2 to the Circular Letter announced the availability of Report [ITU-R M.2410](#) – *Minimum requirements related to technical performance for IMT-2020 radio interface(s)* and revision to Document IMT-2020/2, as well as preliminary information on the IMT-2020 workshop.

On 5 July 2017, Addendum 3 to the Circular Letter announced the availability of two new Reports [ITU-R M.2411](#) – *Requirements, evaluation criteria and submission templates for the development of IMT-2020* and [ITU-R M.2412](#) – *Guidelines for evaluation of radio interface technologies for IMT-2020*. The Addendum 3 also provided the updated information on the IMT-2020 workshop that was held during the 28th meeting of Working Party 5D (WP 5D) in October 2017.

The Addendum 4 to the Circular Letter provides information on the proposed candidate technologies received by ITU-R during the step 3 of the IMT-2020 submission and evaluation process, the Workshop on IMT-2020 Terrestrial Radio Interfaces Evaluation during the 33rd meeting of WP 5D in December 2019, and Evaluation Group discussion area. It is also encouraged in Addendum 4 for the Independent Evaluation Groups (IEGs) to provide the interim evaluation report no later than the 33rd meeting of WP 5D and the final evaluation report for the 34th meeting of WP 5D.

2 Proposed candidate technologies

ITU-R WP 5D has reviewed the candidate technologies proposed from six proponents to the 32nd meeting of WP 5D under Step 3 of the IMT-2020 submission and evaluation process.

WP 5D in meeting #32 acknowledged the following submissions are “complete” considering Section 5 of Report ITU-R M.2411:

- [IMT-2020/13](#) – Acknowledgement of candidate SRIT submission from Proponent 3GPP¹ under Step 3 of the IMT-2020 process
- [IMT-2020/14](#) – Acknowledgement of candidate RIT submission from Proponent 3GPP¹ under Step 3 of the IMT-2020 process
- [IMT-2020/15](#) – Acknowledgement of candidate RIT submission from Proponent China under Step 3 of the IMT-2020 process
- [IMT-2020/16](#) – Acknowledgement of candidate RIT submission from Proponent Korea under Step 3 of the IMT-2020 process

WP 5D in meeting #32 has not yet determined whether the following submissions are “complete” considering Section 5 of Report ITU-R M.2411:

- [IMT-2020/17](#) – Acknowledgement of candidate submission from Proponents ETSI (TC DECT) and DECT Forum under Step 3 of the IMT-2020 process
- [IMT-2020/18](#) – Acknowledgement of candidate submission from Proponent Nufront under Step 3 of the IMT-2020 process
- [IMT-2020/19](#) – Acknowledgement of candidate submission from Proponent TSDSI under Step 3 of the IMT-2020 process

A decision on the submission above shall be taken in 33rd meeting WP 5D in December 2019.

For convenience, these submitted proposals are also posted on the webpage of “[Web page for IMT-2020 submission and evaluation process](#)”.

Under the IMT-2020 submission and evaluation process, the ITU-R will now proceed with the detailed evaluation of the proposed candidate technologies until 34th meeting of WP 5D in February 2020.

3 Future plans of the process

In accordance with Resolution ITU-R 65, the relevant ITU Recommendations and ITU Reports for the development of IMT-2020, and to assist evaluation activities, the following are announced:

3.1 Evaluation Workshop

WP 5D will hold a Workshop on “IMT-2020 Terrestrial Radio Interfaces Evaluation” from 10 to 11 December, 2019 during its 33rd meeting to provide an interactive discussion among IEGs, proponents and WP 5D delegates.

The workshop will be held at the same venue as the 33rd meeting of WP 5D. The programme of the workshop and detailed information about the workshop registration can be found on the “[Web page for IMT-2020 submission and evaluation process](#)” (under “Workshop on IMT-2020 Terrestrial Radio Interfaces Evaluation”). Parties interested in the details of the workshop (program, registration

¹ The 3GPP Proponent of the 3GPP submission is collectively the 3GPP Organizational Partners (OPs). The Organizational Partners of 3GPP are ARIB, ATIS, CCSA, ETSI, TSDSI, TTA and TTC (<http://www.3gpp.org/partners>).

deadline, etc.) are kindly requested to check the workshop [website](#) periodically before the 33rd WP 5D meeting.

3.2 Evaluation Group discussion area

The Evaluation Group discussion area can be found on “Web page for IMT-2020 submission and evaluation process”.

The purpose of this discussion area is to exchange views on the characteristics of the proposed radio interface(s) technologies submitted by proponents and to discuss evaluation related issues among IEGs and the proponents. The discussion area is available on a subscription basis for ITU-R members, designated representatives of the proponents of candidate technology submissions and designated representatives of the IEGs. Focal points of both the proponents and IEGs are requested to provide details of the designated representatives. IEGs and proponents are encouraged to participate in the Evaluation Group discussion area, and share the experiences that might be helpful to progress the evaluation activities.

4 Request for evaluation reports

Following the IMT-2020 process on “Submission/Reception of the RIT and SRIT proposals and acknowledgement of receipt” in accordance with Document [IMT-2020/2\(Rev.2\)](#), WP 5D started the evaluation process from its 31st meeting in October 2018, and will last until its 34th meeting in February 2020.

Therefore, WP 5D expects to receive the final evaluation reports from the Independent Evaluation Groups on those IMT-2020 candidate technology RIT(s)/SRIT(s) that have been evaluated by its 34th meeting. While WP 5D kindly requests the independent evaluation groups to provide an interim evaluation report for its 33rd meeting in December 2019 in which the Workshop on IMT-2020 evaluation will also be held.

It is also suggested that the evaluation reports contain information including the use of Report ITU-R M.2412, the considered test environment(s), the evaluated RIT(s)/SRIT(s), and the evaluation results as requested by the compliance templates, but not limited to those. It is also requested that the interim evaluation report includes as much detail about the evaluation as possible.

5 Revision to Document IMT-2020/2

Revision 2 to Document IMT-2020/2 “Submission, evaluation process and consensus building for IMT-2020”, is now available on “[IMT-2020 documents](#)”. This revision contains an additional WP 5D meeting planned in November 2020 to complete the Recommendation for detailed specifications of radio interface technologies for the terrestrial components of IMT-2020.

6 Updates to the ITU-R web page for the IMT-2020 submission and evaluation process and IMT-2020 documents

Any future changes to the submission and evaluation process will be announced in Addenda to this Circular Letter. Other information, such as information on the Workshop on IMT-2020 Terrestrial Radio Interfaces Evaluation, and interim evaluation report(s) will be updated dynamically on the "[Web page for IMT-2020 submission and evaluation process](#)" and "[IMT-2020 documents](#)". Consequently, Members and Sector members interested in the IMT-2020 development process including evaluation activities are kindly requested to periodically check the website.



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- Administrations of Member States of the ITU and Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 5
- ITU-R Associates participating in the work of Radiocommunication Study Group 5
- ITU Academia
- Chairman and Vice-Chairmen of Radiocommunication Study Group 5
- Secretary General of the ITU, Director of the Telecommunication Standardization Bureau, Director of the Telecommunication Development Bureau