



Radiocommunication Bureau (BR)

Addendum 6 to Circular Letter
5/LCCE/59

6 March 2020

**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: Completion of Step 4 of the IMT-2020 process for the evaluation of IMT-2020
candidate technology submissions**

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 in 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\(Rev.2\)](#) – *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(Rev.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.

On 24 July 2019, Addendum 4 to the Circular Letter announced the acknowledgment of the four proposed candidate technologies received by ITU-R during the Step 3 of the IMT-2020 submission and evaluation process, and the information of the Workshop on IMT-2020 Terrestrial Radio Interfaces Evaluation during the 33rd meeting of WP 5D in December 2019.

On 18 December 2019, Addendum 5 to the Circular Letter provided further information on the successful closure of Step 3 for all IMT-2020 candidate technology submissions.

Addendum 6 of the Circular Letter provides further information on the completion of Step 4 of IMT-2020 process and announces the availability of the final evaluation reports from registered IEGs as well as a consolidated summary. Under the planned schedule, the final decisions on which candidate technology submissions will be accepted for inclusion in the standardization phase under Step 8 of the IMT-2020 process will be completed at WP 5D Meeting #35 in June 2020, based on the candidate technology submissions progressing through Steps 4, 5, 6 and 7 of the process.

2 Completion of Step 4 of the IMT-2020 process

Working Party 5D, following the guidelines of the IMT-2020 process, has received the final evaluation reports from IEGs.

Document [IMT-2020/38](#) is the consolidated summary of the thirteen Independent Evaluation Groups reports, that was completed at the WP 5D meeting #34. Table 1 from Document IMT-2020/38 included as an attachment provides an index of the documents related to the evaluation reports.

For convenience, the submitted evaluation reports are posted as a series of IMT-2020 documents on the webpage of "[Web page for IMT-2020 submission and evaluation process](#)".

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 further activities, the following are announced:

Under the IMT-2020 process, ITU-R will finish the review and coordination of outside evaluation activities in Step 5, conclude a review to assess compliance with minimum requirements in Step 6, complete consultation on the evaluation results and consensus building and render a decision in Step 7 on those technologies that should move forward into Step 8.

Report ITU-R M.[IMT-2020.OUTCOME], currently in preparation, will be finalised during ITU-R WP 5D meeting #35, documenting the decision agreed in Step 7.

Step 8 is planned for first stage completion in October 2020 at ITU-R WP 5D meeting #36 and final completion at ITU-R WP 5D meeting #36bis in November 2020, where it will then be submitted to ITU-R Study Group 5.

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

Any future changes to the IMT-2020 process will be announced in Addenda to this Circular Letter, and related information 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 are kindly requested to periodically check the website.



Mario Maniewicz
Director

TABLE 1

Index of Documents related to IEG Final Evaluation Reports for the Candidate Technology Submissions of IMT-2020 under Step 4

<u>IMT-2020/38</u>	Summary of Step 4 of the IMT-2020 Process for Evaluation of IMT-2020 Candidate Technology Submissions		
Registered Independent Evaluation Group	Summary of IEG Evaluation Results	Based on or References IEG Contributions Docs. 5D/	Evaluation Reports History Documents
<u>5G India Forum</u>	<u>IMT-2020/39</u>	<i>Interim Report Only</i> 5D/27 (3GPP RIT)	<u>IMT-2020/11(Rev.1)</u>
<u>5G Infrastructure Association</u>	<u>IMT-2020/40</u>	5D/50 (3GPP) 5D/51 (DECT) 5D/52 (Nufront) 5D/53 (TSDSI)	<u>IMT-2020/33(Rev.1)</u>
<u>Africa Evaluation Group</u>	<u>IMT-2020/41</u>	5D/123 (DECT) 5D/124 (TSDSI) 5D/125 (Nufront)	<u>IMT-2020/34(Rev.1)</u>
<u>ATIS WTSC IMT-2020</u>	<u>IMT-2020/42</u>	5D/54 (document map) 5D/55 (3GPP RIT/SRIT-technical details document) 5D/56 (3GPP SRIT) 5D/57 (3GPP RIT) 5D/58 (China) 5D/59 (Korea) 5D/60 (DECT) 5D/61 (TSDSI)	<u>IMT-2020/29(Rev.1)</u>
<u>Beijing National Research Center for Information Science and Technology (Bnrist EG)</u>	<u>IMT-2020/43</u>	5D/67 (Nufront)	<u>IMT-2020/35</u>
<u>Canadian Evaluation Group</u>	<u>IMT-2020/44</u>	5D/90 (Various)	<u>IMT-2020/30(Rev.1)</u>
<u>ChEG Chinese Evaluation Group</u>	<u>IMT-2020/45</u>	5D/69 (Various)	<u>IMT-2020/10(Rev.2)</u>
<u>Chinese Industry and Research Alliance of Telecommunications (CIRAT)</u>	<u>IMT-2020/46</u>	5D/129 (Nufront)	<u>IMT-2020/36</u>
<u>Telecom Centres of Excellence, India</u>	<u>IMT-2020 47</u>	5D/121 (3GPP) 5D/122 (TSDSI)	<u>IMT-2020/9(Rev.2)</u>

<u>IMT-2020/38</u>	Summary of Step 4 of the IMT-2020 Process for Evaluation of IMT-2020 Candidate Technology Submissions		
Registered Independent Evaluation Group	Summary of IEG Evaluation Results	Based on or References IEG Contributions Docs. 5D/	Evaluation Reports History Documents
<u>The Fifth Generation Mobile Communications Promotion Forum, Japan</u>	<u>IMT-2020/48</u>	5D/95 (3GPP RIT) 5D/96 (3GPP SRIT) 5D/97 (Nufront)	<u>IMT-2020/32(Rev.1)</u>
<u>Trans-Pacific Evaluation Group</u>	<u>IMT-2020/49</u>	5D/94 (3GPP RIT & SRIT)	<u>IMT-2020/8(Rev.2)</u>
<u>TTA 5G Technology Evaluation Special Project Group</u>	<u>IMT-2020/50</u>	5D/49 (3GPP RIT)	<u>IMT-2020/31(Rev.1)</u>
<u>Wireless World Research Forum</u>	<u>IMT-2020/51</u>	5D/120 (Nufront & TSDSI)	<u>IMT-2020/37</u>