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| **Radiocommunication Study Groups** |  |
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| Received: 30 September 2018 | **Document 5D/1055-E** |
| **1 October 2018** |
| **English only**  **TECHNOLOGY ASPECTS** |
| China (People’s Republic of) | |
| Updated submission of candidate IMT-2020  radio interface technology | |
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# 1 **Introduction**

This document is in response to 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 which was issued with Circular Letter [5/LCCE/59](http://www.itu.int/md/R00-SG05-CIR-0059/en) released on 22 March 2016.

The updated information on submission of candidate IMT-2020 radio interface technology is provided. The proposed radio interface technology is based on 3GPP development. The development is in accordance with the Documents and Reports developed by ITU-R that are related to IMT-2020 submission, including

– Document [IMT-2020/01](https://www.itu.int/md/R15-IMT.2020-C-0001/en) *IMT-2020 Background.*

– Document [IMT-2020/02(Rev.1)](https://www.itu.int/md/R15-IMT.2020-C-0002/en) *Submission and evaluation process and consensus building for IMT-2020.*

– Report [ITU-R M.2411](http://www.itu.int/pub/R-REP-M.2411) – *Requirements, evaluation criteria and submission templates for the development of IMT-2020*.

– Report [ITU-R M.2410](http://www.itu.int/pub/R-REP-M.2410) – *Minimum requirements related to technical performance for IMT-2020 radio interface(s)*.

– Report [ITU-R M.2412](https://www.itu.int/pub/R-REP-M.2412) – *Guidelines for evaluation of radio interface technologies for IMT-2020*.

In this updated submission, China propose ‘NR+NB-IoT’ RIT as the candidate IMT-2020 radio interface technology. China provides the characteristics template, link budget template, compliance template, and preliminary self-evaluation report of the candidate technology. The submission templates follow the ITU-R IMT-2020 submission format and guidelines as defined in Report [ITU‑R M.2411](http://www.itu.int/pub/R-REP-M.2411).

The characteristics description, link budget information, compliance template and the preliminary self-evaluation report are developed based on 3GPP Rel-15.

# **2 Submission templates and preliminary evaluation report**

The characteristics template, link budget template, compliance template and preliminary self-evaluation report of the proposed candidate radio interface technology are provided in the attachment.

China kindly invites WP 5D to view this proposed format of the submission that meets the submission process and the submission guidelines and templates established in Document [IMT-2020/02(Rev.1)](https://www.itu.int/md/R15-IMT.2020-C-0002/en), Report [ITU-R M.2411](http://www.itu.int/pub/R-REP-M.2411), and other related documents in the IMT-2020 process. China also invites WP 5D to take this updated submission into account in Document [IMT-2020/5](https://www.itu.int/md/R15-IMT.2020-C-0005/en).

It is noted that this updated submission is not a final submission. The further development of the candidate radio interface technology is still ongoing. Therefore, the above templates and self‑evaluation results might be further updated based on the further development, and will be provided before the submission deadline in July 2019.

**Attachment 1:** Characteristics description template



**Attachment 2:** Link budget template

 

**Attachment 3:** Compliance template



**Attachment 4:** Preliminary self-evaluation report



   

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