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| **Radiocommunication Study Groups** |  |
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| Received: 2 July 2019 | **Document 5D/1268-E** |
| **2 July 2019** |
| **English only** |
|  | **TECHNOLOGY ASPECTS** |
| China (People’s Republic of) | |
| FINAL 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 final submission, China propose ‘NR+NB-IoT’ RIT as the candidate IMT-2020 radio interface technology, which is technically identical to 5G NR RIT and NB-IOT part of 5G SRIT submitted from 3GPP. 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 and Rel-16.

# **2 Submission templates and 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

It is noted that the development of the candidate radio interface technology is technically identical to 5G NR and NB-IOT submitted from 3GPP. The self-evaluation results are identical to Chinese companies’ contributions to 3GPP on NR and NB-IoT technologies.

**Attachment 1:** Characteristics description template



**Attachment 2:** Link budget template



**Attachment 3:** Compliance template



**Attachment 4:** Self evaluation report



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