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| **Radiocommunication Study Groups** |  |
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| Source : Document 5D/TEMP/18 | **Revision 1 to****Document IMT-2020/18-E** |
| **16 December 2019** |
| **English only** |
| Working Party 5D |
| ACKNOWLEDGEMENT OF CANDIDATE RIT SUBMISSION FROM NUFRONT UNDER STEP 3 OF THE IMT-2020 PROCESS |

Working Party (WP) 5D, in providing for its own future work, as well as that of the Independent Evaluation Groups, has reviewed the candidate technology submission(s) received from Nufront (Beijing) Technology Co., Ltd. at its 33rd meeting and provides its views on the following:

1) The completeness of the candidate submission(s) following the guidance in Report [ITU‑R M.2411](https://www.itu.int/pub/R-REP-M.2411).

2) Details of the components that were required to be provided, as defined in Report ITU‑R M.2411 and where the corresponding information is to be found within the candidate submission.

The detailed view is provided in Annex 1.

ANNEX 1

Acknowledgement of candidate RIT submission from
Nufront[[1]](#footnote-1) under Step 3 of the IMT-2020 process[[2]](#footnote-2)

# 1 Scope

WP 5D, in providing for its own future work, as well as that of the Independent Evaluation Groups, has reviewed the candidate technology submission referenced aboveas received at its 33rd meeting[[3]](#footnote-3) and provides its views on the following:

1) The completeness of the candidate submission following the guidance of Report [ITU‑R M.2411](https://www.itu.int/pub/R-REP-M.2411).

2) Details of the components that were required to be provided, as defined in Report ITU‑R M.2411 and where the corresponding information is to be found within the candidate submission.

# 2 Acknowledgement of receipt of submission and assessment of completeness

WP 5D acknowledges the receipt of the candidate technology submission referenced above from Nufront. WP 5D has reviewed this candidate submission under the IMT-2020 process and has in its 33rd meeting determined that the submission is “complete” per Section 5 of Report ITU‑R M.2411.

# 3 Classification of the candidate submission

The submitted candidate technology is:

[x]  a RIT.

[ ]  a SRIT.

# 4 Designate the following elements for each candidate RIT, for each candidate component RIT within the composite SRIT, and/or for the composite SRIT of the candidate submission (to fulfil Section 5.1 of Report ITU‑R M.2411)

To assist WP 5D and the Independent Evaluation Groups in guiding the work, WP 5D has developed this checklist of information with regard to all the required components of the submission per Report ITU-R M.2411 including specific links to the candidate submission items.

**4.1) *Step 2 requirements*:** *An RIT needs to fulfil the minimum requirements of at least three test environments; two test environments under eMBB and one test environment under mMTC or URLLC.*

*An SRIT consists of a number of component RITs complementing each other, with each component RIT fulfilling the minimum requirements of at least two test environments and together as an SRIT fulfilling the minimum requirements of at least four test environments comprising the three usage scenarios. (Document* [*IMT-2020/2(Rev.2)*](https://www.itu.int/md/R15-IMT.2020-C-0002/en) *Step 2)*

Based on Document IMT-2020/2(Rev.2) Step 2, does the proponent indicate that the condition above has been met?

 [x] Yes 　 [ ]  No [ ]  Comments (specify)

– *The proponent indicates that the RIT meets the minimum requirements of the test environments in the following manner.*

 [x]  Indoor Hotspot – eMBB, [x]  Dense Urban – eMBB, [x]  Rural – eMBB,
[x]  Urban Macro – mMTC, [x]  Urban Macro – URLLC

***4.2a) Templates:*** *The submission of each candidate RIT or SRIT shall consist of completed templates as specified in § 5.2 together with any additional inputs which the proponent may consider relevant to the evaluation. (Report ITU-R M.2411 Section 5.1 § 1)*

Description template – characteristics template supplied (Report ITU-R M.2411 Section 5.2.3.2)

 [x]  Yes [ ]  No [ ]  Comments (specify)

Description template – link budget template supplied (Report ITU-R M.2411 Section 5.2.3.3)

 [x]  Yes [ ]  No [ ]  Comments (specify)

Compliance template for services supplied (Report ITU-R M.2411 Section 5.2.4.1)

 [x]  Yes [ ]  No [ ]  Comments (specify)

Compliance template for spectrum supplied (Report ITU-R M.2411 Section 5.2.4.2)

 [x]  Yes [ ]  No [ ]  Comments (specify)

Compliance template for technical performance supplied (Report ITU-R M.2411 Section 5.2.4.3)

 [x]  Yes [ ]  No [ ]  Comments (specify)

***4.2b) Version:*** *Each proposal must also indicate the version of the minimum technical requirements and evaluation criteria of the IMT-2020 currently in force that it is intended for and make reference to the associated requirements.*

Summarize the version of the minimum technical requirements and evaluation criteria utilized by the candidate submission.

– The versions used are: Report ITU-R M.2411 Requirements, evaluation criteria and submission templates for the development of IMT-2020 (Approved 2017-11); Report ITU-R M.2410 Minimum requirements related to technical performance for IMT-2020 radio interface(s) (Approved 2017-11); Report ITU-R M.2412 Guidelines for evaluation of radio interface technologies for IMT 2020 (Approved 2017-10).

***4.3) Self-evaluation:*** *The entity that proposes a candidate RIT or SRIT to the ITU-R (the proponent) shall include with it either an self-evaluation or an evaluation submitted by another entity and endorsed by the proponent, and based on the compliance templates in § 5.2.4. (Report ITU-R M.2411 Section 5.1 § 2).*

Self-evaluation supplied [x]  Yes [ ]  No

Comments (specify) Refer to Document[IMT-2020/27](https://www.itu.int/md/R15-IMT.2020-C-0027/en)(Rev.1).

Evaluation type [x]  provided by proponent

 [ ]  submitted by another entity and endorsed by the proponent

Comments (specify the entity)

***4.4) IPR Statement:*** *Proponents and IPR holders should indicate their compliance with the ITU policy on intellectual property rights (Report ITU-R M.2411 Section 5.1 §3)*

IPR Statements supplied: [x]  Yes [ ]  No

Comments (specify)

# 5 Candidate submission

Refer to Documents [5D/1238](https://www.itu.int/md/R15-WP5D-C-1238/en) and [5D/1300](https://www.itu.int/md/R15-WP5D-C-1300/en).

# 6 Contacts

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# 7 Remarks or other information

Refer to Document[IMT-2020/27](https://www.itu.int/md/R15-IMT.2020-C-0027/en)(Rev.1).

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1. Document [5D/1238](https://www.itu.int/md/R15-WP5D-C-1238/en) “Submission of candidate IMT-2020 radio interface technology (EUHT)” and Document [5D/1300](https://www.itu.int/md/R15-WP5D-C-1300/en) “Updated submission of candidate IMT-2020 radio interface technology (EUHT)”. [↑](#footnote-ref-1)
2. Document [IMT-2020/2(Rev.2)](https://www.itu.int/md/R15-IMT.2020-C-0002/en). [↑](#footnote-ref-2)
3. Considering Document [IMT-2020/22](https://www.itu.int/md/R15-IMT.2020-C-0022/en). [↑](#footnote-ref-3)