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| **Radiocommunication Study Groups** |  |
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| Source: Document 5D/TEMP/508 | **Document IMT-2020/65-E** |
| **9 November 2021** |
| **English only** |
| Working Party 5D | |
| Evaluation by 5G India Forum IEG of IMT-2020 candidate technology submission in Document(s) IMT-2020/17(Rev.1) and IMT-2020/18(Rev.1) | |
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This document summarizes the evaluation results and activities *from Option 2 in the Re-evaluation Process,* identified for the IMT-2020 candidate technology submission(s) in Documents *IMT-*2020/17(Rev.1) and IMT-2020/18(Rev.1) from *[5G India Forum (IEG)].*

[Editor’s note: Document IMT-2020/ZZZ is created per re-engaged IEG, which will be created for a specific IEG at WP 5D #38 upon its final evaluation report(s). An independent evaluation group may perform complete or partial evaluation of one or two technology proposals. Evaluations may cover several technology proposals which will be included in the same IMT-2020/ZZZ per IEG].

# 1 Background

The period from November 2020 (the 36*bis* meeting of Working Party 5D) to June 2021 (the 38th meeting of Working Party 5D) has been designated for evaluation of the IMT-2020 candidate technology submissions by Independent Evaluation Groups.

The 5G India Forum IEGis a registered Independent Evaluation Group. At the WG TECHNOLOGY ASPECTS (Option 2) meeting of Working Party 5D, a final Evaluation Report on IMT‑2020 candidate technology submissions in Documents [IMT-2020/17(Rev.1)](https://www.itu.int/md/R15-IMT.2020-C-0017/en) and [IMT‑2020/18(Rev.1)](https://www.itu.int/md/R15-IMT.2020-C-0018/en) was submitted by 5G India Forum IEG([5D/741](https://www.itu.int/md/R19-WP5D-C-0741/en), [5D/742](https://www.itu.int/md/R19-WP5D-C-0742/en)).Before the 39th meeting of Working Party 5D, an Evaluation Report on the candidate technology submission in Document IMT‑2020/18(Rev.1) as part of the re-engagement in Step 4 evaluation was submitted (Doc. 5D/826).Working Party 5D has reviewed the evaluation report and will consider it further in the IMT-2020 development re-evaluation process.

# 2 Evaluation summary for a component RIT for IMT-2020 candidate technology in Document(s) IMT-2020/17

[Editor’s note: Each section in this template is for one RIT; the section will be extended when there is SRIT with more than one component RITs. And for each component RIT, the same format for RIT is applied.]

[Editor’s note: One section for one RIT or one component RIT in case of SRIT per candidate technology, even if there are more than one Documents IMT-2020/YYY]

## 2.1 Use of information in Report ITU-R M.2412

Does Independent Evaluation Group confirm use of Report ITU-R M.2412 in their work?

☑ Yes 🞎 No

## 2.2 Provision of compliance templates

Provision of compliance template for services (section 5.2.4.1 of Report ITU-R M.2411)

☑ Yes 🞎 No

Provision of compliance template for spectrum (section 5.2.4.2 of Report ITU-R M.2411)

☑ Yes 🞎 No

Provision of compliance template for technical performance (section 5.2.4.3 of Report ITU-R M.2411)

☑ Yes 🞎 No

## 2.3 Summary of conclusions of the evaluation report

Does the Evaluation Report indicate that the candidate technology meets minimum service and spectrum requirements?

Service requirements: 🞎 Yes ☑ No

Spectrum requirements: ☑ Yes 🞎 No

Which test environments have been considered in the evaluation report? What is outcome of the evaluation?

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| --- | --- |
| **Test environment** | **Does the evaluation report indicate that the minimum technical performance requirements are met in the test environment?** |
| 🞎 Indoor Hotspot – eMBB | 🞎 Yes 🞎 No |
| 🞎 Dense Urban – eMBB | 🞎 Yes 🞎 No |
| 🞎 Rural – eMBB | 🞎 Yes 🞎 No |
| ☑ Urban Macro – mMTC | ☑ Yes 🞎 No |
| ☑ Urban Macro – URLLC | 🞎 Yes 🞎 No |

## 2.4 Additional evaluation methodologies and assumptions

Have any additional evaluation methodologies or assumptions that had not been included in the Report ITU-R M.2412 been used in evaluation?

☑ Yes 🞎 No

# 3 Evaluation summary for a RIT for IMT-2020 candidate technology in Document(s) IMT-2020/18(Rev.1)

[Editor’s note: Each section in this template is for one RIT; the section will be extended when there is SRIT with more than one component RITs. And for each component RIT, the same format for RIT is applied.]

[Editor’s note: One section for one RIT or one component RIT in case of SRIT per candidate technology, even if there are more than one Documents IMT-2020/YYY]

## 3.1 Use of information in Report ITU-R M.2412

Does Independent Evaluation Group confirm use of Report ITU-R M.2412 in their work?

☑ Yes 🞎 No

## 3.2 Provision of compliance templates

Provision of compliance template for services (Section 5.2.4.1 of Report ITU-R M.2411)

☑ Yes 🞎 No

Provision of compliance template for spectrum (Section 5.2.4.2 of Report ITU-R M.2411)

☑ Yes 🞎 No

Provision of compliance template for technical performance (Section 5.2.4.3 of Report ITU-R M.2411)

☑ Yes 🞎 No

## 3.3 Summary of conclusions of the evaluation report

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| 🞎 Urban Macro – mMTC | 🞎 Yes 🞎 No |
| ☑ Urban Macro – URLLC | 🞎 Yes ☑ No |

## 3.4 Additional evaluation methodologies and assumptions

Have any additional evaluation methodologies or assumptions that had not been included in the Report ITU-R M.2412 been used in evaluation?

🞎 Yes ☑ No

# 4 Evaluation Report

[Editor’s note: Include a final Evaluation Report from IMT-2020/k of this Independent Evaluation Group or attach a final Evaluation Report submitted by Independent Evaluation Group.]

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| The number of the final evaluation report | The name of the final evaluation report | The files of the final evaluation report |
| [5D/741](https://www.itu.int/md/R19-WP5D-C-0741/en) | Final Evaluation Report for DECT-2020 NR under Option-2 of IMT-2020 evaluation process |  |
| [5D/742](https://www.itu.int/md/R19-WP5D-C-0742/en) | Final Evaluation Report for EUHT under Option-2 of IMT-2020 EVALUATION process |  |
| [5D/826](https://www.itu.int/md/R19-WP5D-C-0826/en) | Updates by 5GIF-IEG on actions prescribed by SWG-Eval at Working Party 5D/38-bis on the remaining KPI's for EUHT RIT under Option-2 of IMT-2020 evaluation process |  |

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