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| **Radiocommunication Study Groups** |  | |
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| Source: Document 4B/77 | **Document IMT‑2020-SAT/12-E** |
| **30 October 2024** |
| **English only** |
| Working Party 4B | | |
| Summary results of evaluation by 5G India Forum (5G IF) Evaluation Group of IMT-2020 satellite candidate technology submission in Document IMT-2020-SAT/4 (3GPP) | | |
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This document summarizes the evaluation results and activities identified for the IMT-2020 satellite candidate technology submission in Document [IMT-2020-SAT/4](https://www.itu.int/md/R19-IMT.2020.SAT-C-0004/en) from 5G IF Evaluation Group*.*

# 1 Background

The period from January 2024 (the 53rdbis meeting of Working Party 4B) to October 2024 (the 55th meeting of Working Party 4B) has been designated for evaluation of the IMT-2020 satellite candidate technology submissions by Independent Evaluation Groups.

The 5G IF Evaluation Groupis a registered Independent Evaluation Group. At the 55th meeting of Working Party 4B, a final Evaluation Report on IMT-2020 satellite candidate technology submission in Document IMT-2020-SAT/4 (3GPP) was submitted by 5G IF Evaluation Group (Doc. 4B/77). Working Party 4B has reviewed the evaluation report and will consider it further in the IMT-2020 satellite development process.

# 2 Evaluation summary for a RIT for IMT-2020 satellite candidate technology in Document IMT-2020-SAT/4

## 2.1 Use of information in Report ITU-R M.2514

Does Independent Evaluation Group confirm use of Report [ITU-R M.2514](https://www.itu.int/pub/R-REP-M.2514) in their work?

☑ Yes 🞎 No

## 2.2 Provision of compliance templates

Provision of compliance template for services (section 8.2.6.1 of Report ITU-R M.2514)

☑ Yes 🞎 No

Provision of compliance template for spectrum (section 8.2.6.2 of Report ITU-R M.2514)

☑ Yes 🞎 No

Provision of compliance template for technical performance (section 8.2.6.3 of Report ITU-R M.2514)

☑ 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?  Yes: all technical performance requirements are met.  No: at least one technical performance requirement is not met. |
| ☑ Rural-eMBB-s | ☑ Yes 🞎 No |
| ☑ Rural-mMTC-s | ☑ Yes 🞎 No |
| ☑ Rural-HRC-s | ☑ 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.2514 been used in evaluation?

🞎 Yes ☑ No

# 3 Evaluation Report

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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 |
| 4B/77 | Final evaluation report by 5GIF towards the 3GPP candidate technology for satellite component of IMT-2020 |  |

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